



POWERPACK SERIES

PowerPack Sanitizer User Guide

Boot a USB stick, erase drives to NIST SP 800-88, and walk away with a digitally signed certificate that says exactly what was done. This guide covers unlocking your download, making the USB stick, erasing one drive or sixteen at once, and checking certificates.

1

Download

Get the ISO from the product page.

2

Unlock

Paste your license file once, in your browser.

3

Write USB

Rufus, balenaEtcher, or dd.

4

Boot and erase

No key prompts, ever again.

Version 0.3.1 · September 2026

New in 0.3.x: hidden areas (HPA and DCO) removed before erasing, up to sixteen drives at once, the product logo on certificates. Earlier in 0.2.x: signed PDF certificates, SATA unfreeze, hardware report, one folder per drive when saving.

01 What you need

- **Your license file**, `license.key`, which arrives by email after purchase. It holds two lines: your license key (starts with `PPSAN1-`) and the key that digitally signs your certificates (starts with `PPSCK1-`). Keep the whole file.
- **A USB stick for booting**, 64 MB or larger. It will be completely overwritten.
- **A second USB stick for certificates**, formatted FAT32 or exFAT (the way Windows and macOS normally format sticks). The tool runs from memory and cannot save onto the boot stick.
- **The computer whose drives you are erasing**: any 64 bit Intel or AMD PC or laptop, UEFI or legacy BIOS. Apple Silicon Macs are not supported.

02 Download the ISO

Download `ppsanitize-0.3.1.iso` from the PowerPack Sanitizer product page. The download is **locked**: it boots, but it will not touch a drive until a license is added. The unlock page checks the file's SHA-256 checksum for you. To check it yourself:

```
macOS / Linux:  shasum -a 256 ppsanitize-0.3.1.iso
Windows:        certutil -hashfile ppsanitize-0.3.1.iso SHA256
```

03 Unlock it with your license

Open the **Unlock** page linked from the product page. Everything happens inside your browser: the ISO and your license are never uploaded.

1. **Choose the ISO.** Drag `ppsanitize-0.3.1.iso` onto the box. A green line confirms it is the official download.
2. **Paste your license.** Open `license.key` in any text editor (Notepad, TextEdit), select everything, copy, and paste. The page checks it immediately and shows who it is licensed to. **Signed PDFs: Yes** means both lines were pasted.
3. **Click Unlock ISO.** Your browser downloads `ppsanitize-0.3.1-unlocked.iso`.

1

Choose the ISO you downloaded

Drop ppsanitize-0.2.0.iso here

or click to browse

✓ Official PowerPack Sanitizer 0.2.0 download, checksum verified.

2

Paste your license

Open license.key in any text editor, select everything, copy, and paste it here. The file has two lines: your key, and the key that digitally signs your PDF certificates.

```
# PowerPack Sanitizer license
# Licensed to : Demo Customer (screenshots)
# License no. : 9001
# Type      : Evaluation
# Issued    : 2026-09-16
```

✓ Genuine license.

Licensed to	Demo Customer (screenshots)
License no.	#9001
Type	Evaluation
Expires	2026-09-20
Signed PDFs	Yes, key 7MV7-E3JB-N4HP-GSFY

3

Unlock and download

Unlock ISO

✓ Unlocked for Demo Customer (screenshots). ppsanitize-0.2.0-unlocked.iso is downloading. Now write it to a USB stick (below).

A valid ISO and license. The license shown is a demonstration license and has been revoked.

If you paste only the PPSAN1- key, the ISO still unlocks, but PDF certificates from that stick will not be digitally signed. The page warns you when that happens.

The unlocked ISO carries your licensee name, shown on screen every time the tool starts. Treat it like the license itself. You can unlock the same download again at any time to make more sticks.

If the license is rejected

2 Paste your license

Open `license.key` in any text editor, select everything, copy, and paste it here. The file has two lines: your key, and the key that digitally signs your PDF certificates.

```
-J25CX-WTR1R-GR768-X6CVB-77BR6-YPAJ1-E46S7-BVRZS-BRJ1S-S0G
PPSCK1-04MJ6-000NS-GB6SV-3ZA14-81Z0F-Y19C7-1G80P-9RN8B-MFAVB-QVNND-33KQ8-KKWAE
-Y0D9X-TXFP6-QMCWQ-0J0VY-869VX-QH08M-Q7W1N-ZX6HG-5CCA4-8JY3C-KKZZZZZZP0E-060QC
-P9DDS-DJK6M-VS8SS-5AF2C-6ZK4K-Q87WH-PZV26-1G
```

The certificate signing line did not pass the signature check.

MESSAGE	WHAT TO DO
did not pass the signature check	A character is wrong. Copy the file contents again rather than retyping.
incomplete	Part of a line was cut off. Copy the whole file again.
expired	Evaluation licenses have an end date. Buy a full license to continue.
revoked	This license was cancelled (refund or reported leak). Contact the seller.
not a PowerPack Sanitizer ISO	You selected a different file. Choose the <code>.iso</code> you downloaded.

04 Write the unlocked ISO to a USB stick

Then write it to a USB stick

Use any stick of 64 MB or more. Everything on it will be replaced.

Windows

macOS

Linux

1. Download **Rufus** (rufus.ie) or **balenaEtcher**.
2. In Rufus, pick your USB stick under *Device*, click *SELECT* and choose the `...-unlocked.iso` file.
3. Click *START*. If Rufus asks, choose **Write in DD Image mode**.

Anyone can check a PDF certificate from your stick on the [verify page](#). Your unlocked ISO carries your licensee name, which PowerPack Sanitizer shows on screen at every start. Keep it within your organization. Lost your key or need more seats? Contact the seller you bought from.

Windows

1. Download **Rufus** (rufus.ie) or **balenaEtcher**.
2. In Rufus, select the stick under *Device*, click *SELECT* and pick ppsanitize-0.3.1-unlocked.iso.
3. Click *START*. If Rufus asks how to write the image, choose **DD Image mode**.

macOS

balenaEtcher is the easiest route. In Terminal instead, find the stick's disk number with `diskutil list`, then (replacing N):

```
diskutil unmountDisk /dev/diskN
sudo dd if=$HOME/Downloads/ppsanitize-0.3.1-unlocked.iso of=/dev/rdiskN bs=4m
diskutil eject /dev/diskN
```

If macOS then says the disk is not readable, click *Eject*. That is expected. Use `$HOME` in the command, not the tilde shortcut.

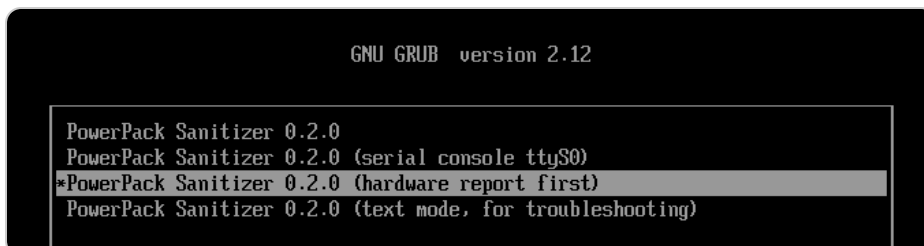
Linux

```
lsblk                                # find the stick, e.g. /dev/sdX
sudo dd if=ppsanitize-0.3.1-unlocked.iso of=/dev/sdX bs=4M conv=fsync status=progress
```

Check the device name twice. Writing to the wrong disk destroys it.

05 Boot the computer you are erasing

1. Plug in the boot stick and power on. Open the one time boot menu: usually `F12` (Dell, Lenovo), `F9` (HP), `F11` or `Esc` on others. Intel Macs: hold `Option`.
2. Pick the USB stick. The first menu entry starts automatically after five seconds.
3. After about half a minute the tool confirms your license and opens. There is nothing to type.



The boot menu. The third entry runs a read-only hardware report first (section 10).

```
POWERPACK SANITIZER
Drive sanitization with honest reporting      0.2.0
-----

Licensed to Demo Customer (screenshots) · #9001 evaluation, until 2026-09-20 · unlocked USB · signed PDFs
Starting...
```

An unlocked stick shows who it is licensed to and whether certificates will be signed, then opens the interface.

If the computer will not boot the stick, turn off **Secure Boot** in the firmware setup. If the screen stays blank or garbled, choose the last menu entry, **text mode, for troubleshooting**.

06 Sanitize one drive

Use **↑** **↓** to move, **Enter** to continue and **Esc** to go back. Nothing is written until the very last step.

Choose the drive

ELIGIBLE drives can be erased; the green note says the best result possible (*purge achievable* means the drive supports a hardware erase). The boot stick is always **PROTECTED**.

```
POWERPACK SANITIZER                                0.2.0
Drive sanitization with honest reporting

D R I V E S

| nvme0n1      1.07 GB  NVMe  QEMU NVMe Ctrl  S4EWNX0R00A07K
  ELIGIBLE    purge achievable

nvme1n1      1.07 GB  NVMe  QEMU NVMe Ctrl  S4EWNX0R01B17K
  ELIGIBLE    purge achievable

sda          1.07 GB  SATA  WDC WD10EZEX-08WN4A0 WD-WX21A93K24F7
  ELIGIBLE    overwrite only

sdb          30.65 MB  USB   QEMU HARDDISK  no serial
  PROTECTED   read-only

sdc          268.44 MB  USB   QEMU HARDDISK  no serial
  ELIGIBLE    overwrite only

UP/DN select  SPACE mark  ENTER inspect  S sanitize  C certs  X shell  Q
```

Press **Enter** to inspect a drive, then **S** to sanitize it.

```
POWERPACK SANITIZER                                0.2.0
/dev/nvme0n1

M E D I A

Model           QEMU NVMe Ctrl
Serial          S4EWNX0R00A07K
Firmware        0.2.2
Capacity        1.07 GB (1073741824 bytes)
Interface       NVMe
Media           SolidState
Confirm token   A07K

S T A T U S

Eligibility     ELIGIBLE for sanitization
Best plan       NVMe FORMAT NVM (SES=1, user data erase)
Achievable      NIST 800-88 Purge

ESC back  S sanitize this drive
```

Record details

Enter the **technician** name (required), then the optional **organization**, **asset tag** and **work order**. They are printed on the certificate.

```
POWERPACK SANITIZER                                0.2.0
SANITIZE

T A R G E T

Device          /dev/nvme0n1
Model           QEMU NVMe Ctrl
Serial          S4EWNX0R00A07K
Capacity        1.07 GB

T E C H N I C I A N

Recorded on the certificate as the person responsible.

> Jordan Lee_

ENTER next  ESC cancel
```

Method and verification



METHOD	USE IT WHEN
Automatic (recommended)	Always, unless you have a reason not to. Uses the drive's built in secure erase when available (NIST Purge), otherwise a verified overwrite (NIST Clear).
Secure erase	Your policy requires a hardware erase. Refuses instead of falling back.
Cryptographic erase	Self encrypting drives where key destruction is acceptable.
NIST 800-88 Clear	One overwrite pass plus full verification.
DoD 5220.22-M	A contract names this method. Three passes, much slower, no stronger on modern drives.

Keep verification on **Full** unless the drive is very large. **None** is never marked releasable.

Confirm

```
POWERPACK SANITIZER 0.2.0
SANITIZE

TARGET

Device      /dev/nvme0n1
Model      QEMU NVMe Ctrl
Serial     S4EWNX0R00A07K
Capacity   1.07 GB

CONFIRM THE DRIVE

Type the last four characters of this drive's serial number. This is the
check that catches the wrong drive being selected.

Serial      S4EWNX0R00A07K

> A07K_

ENTER next  ESC cancel
```

Type the last four characters of the serial. This catches the wrong drive being selected.

```
POWERPACK SANITIZER 0.2.0
SANITIZE

TARGET

Device      /dev/nvme0n1
Model      QEMU NVMe Ctrl
Serial     S4EWNX0R00A07K
Capacity   1.07 GB

FINAL CONFIRMATION

ALL DATA ON THIS DRIVE WILL BE DESTROYED. This cannot be undone.

Will run      NVMe FORMAT NVM (SES=1, user data erase)
Verification  Full

Type DESTROY to proceed.

> DESTROY_

ENTER next  ESC cancel
```

Type DESTROY and press Enter to start.

Wait, then read the result

```
POWERPACK SANITIZER 0.2.0
SANITIZING /dev/nvme0n1

IN PROGRESS

NVMe FORMAT NVM (SES=1, user data erase)

Verifying
████████████████████████████████████████████████████████████████████████████████ 140.12 MB/s

Elapsed      7s

Do not power off the machine.
```

Do not power off while this screen shows.

```
POWERPACK SANITIZER 0.2.0
PPS-20260916T220601Z-A07K

DRIVE IS CLEARED FOR RELEASE
NIST 800-88 Purge

RECORD

Media      QEMU NVMe Ctrl
Serial     S4EWNX0R00A07K
Method     Automatic (hardware erase, else verified overwrite)
Hardware erase NVMe FORMAT NVM (SES=1, user data erase)
Evidence    16 of 1024 scanned regions held data
Full read-back 1.07 GB read, entire device confirmed blank
Duration    7s
Technician  Jordan Lee

Certificate (text, JSON and digitally signed PDF) held in memory. Save it
to a USB stick before powering off.

ENTER back to drives  C save certificates
```

The verdict and the evidence behind it.

VERDICT	MEANING
NIST 800-88 Purge	A hardware erase completed and was verified. The strongest result. Cleared for release.
NIST 800-88 Clear	A verified overwrite. Cleared for release where your policy accepts Clear. The certificate lists what an overwrite cannot reach.
Completed (UNVERIFIED)	Verification was skipped. Not releasable.
INCOMPLETE	A write failed or data survived. Data may remain. Retry, or destroy the drive physically.

07 Sanitize several drives at once NEW

Up to sixteen drives can run together, for example a bench dock full of drives. Each drive still gets its own confirmation and its own certificate. Beyond eight drives the progress screen shows one line per drive so they all stay visible.

1. On the drive list, move to each drive and press **Space** to mark it. Protected drives cannot be marked.
2. Press **S**. Enter the technician, organization and work order once, then choose one method and verification for all drives. If a method is not possible on every marked drive, the tool says which and asks you to choose again.
3. For each drive in turn: enter its asset tag, then the last four characters of **its** serial. Check the label on that drive; this is what catches a wrongly marked drive.
4. Review the plan for every drive, press **Enter**, type **DESTROY** once, and all drives start.

```
POWERPACK SANITIZER 0.2.0
1 certificate(s) held in memory · save to USB before powering off

D R I V E S

[ ] nvme0n1 1.07 GB NVMe QEMU NVMe Ctrl
  ELIGIBLE purge achievable · S4EWNX0R0B0A07K

[x] nvme1n1 1.07 GB NVMe QEMU NVMe Ctrl
  ELIGIBLE purge achievable · S4EWNX0R0B1B17K

[x] sda 1.07 GB SATA WDC WD10EZEEX-0BWN4A0
  ELIGIBLE overwrite only · WD-WX21A93K24F7

sdb 30.65 MB USB QEMU HARDDISK
  PROTECTED read-only · no serial

[ ] sdc 268.44 MB USB QEMU HARDDISK
  ELIGIBLE overwrite only · no serial

2 drive(s) marked: nvme1n1, sda. S sanitizes all of them together.

UP/DN select SPACE mark ENTER inspect S sanitize C certs X shell Q
```

Two drives marked.

```
POWERPACK SANITIZER 0.2.0
SANITIZE 2 DRIVES

T A R G E T

Device /dev/nvme1n1
Model QEMU NVMe Ctrl
Serial S4EWNX0R0B1B17K
Capacity 1.07 GB

D R I V E 1 O F 2 : C O N F I R M

Type the last four characters of this drive's serial number. Check the
label on the drive or the machine: this is what catches the wrong drive
being marked.

> B17K_

ENTER next ESC cancel
```

Each drive is confirmed by its own serial.

```
POWERPACK SANITIZER                                0.2.0
SANITIZE 2 DRIVES

R E V I E W

nvme1n1 1.07 GB S4EWNX0R01B17K · LT-20410
NVMe FORMAT NVM (SES=1, user data erase)
sda 1.07 GB WD-WX21A93K24F7 · LT-20419
Verified overwrite (NIST 800-88 Clear)
no hardware erase: drive does not implement the ATA Security feature
set

Verification Full
Technician Jordan Lee

Press ENTER if this is right, ESC cancels the whole batch.

ENTER next ESC cancel
```

The review shows exactly what will run on each drive, and why a drive cannot use a hardware erase.

```
POWERPACK SANITIZER                                0.2.0
SANITIZE 2 DRIVES

F I N A L   C O N F I R M A T I O N

nvme1n1 S4EWNX0R01B17K · LT-20410 NVMe FORMAT NVM (SES=1, user da.
sda WD-WX21A93K24F7 · LT-20419 Verified overwrite (NIST 800-88.

ALL DATA ON THESE 2 DRIVES WILL BE DESTROYED, Verification: Full, Type
DESTROY to start.

> DESTROY_

ENTER next ESC cancel
```

One final DESTROY starts them all.

```
POWERPACK SANITIZER                                0.2.0
SANITIZING 2 DRIVES · 0 finished

I N   P R O G R E S S

nvme1n1 S4EWNX0R01B17K · NVMe FORMAT NVM (SES=1, user data erase)
[Progress Bar] verifying 129.08 MB/s
sda WD-WX21A93K24F7 · Verified overwrite (NIST 800-88 Clear)
[Progress Bar] verifying 176.22 MB/s

Elapsed 7s
Do not power off the machine or unplug any drive.
```

Each drive has its own progress bar.

```
POWERPACK SANITIZER                                0.2.0
BATCH COMPLETE · 0 record(s)

ALL 0 DRIVES ARE CLEARED FOR RELEASE

R E S U L T S

nvme0n1 S4EWNX0R01B17K CLEARED NIST 800-88 Purge
nvme1n1 S4EWNX0R00A07K CLEARED NIST 800-88 Purge
nvme2n1 S4EWNX0R02C27K CLEARED NIST 800-88 Purge
nvme3n1 S4EWNX0R03D37K CLEARED NIST 800-88 Purge
nvme4n1 S4EWNX0R04E47K CLEARED NIST 800-88 Purge
nvme5n1 S4EWNX0R05F57K CLEARED NIST 800-88 Purge
nvme6n1 S4EWNX0R06G67K CLEARED NIST 800-88 Purge
sda WD-WX21A93K74F7 CLEARED NIST 800-88 Clear

Certificates are held in memory. Save them to a USB stick before powering
off.

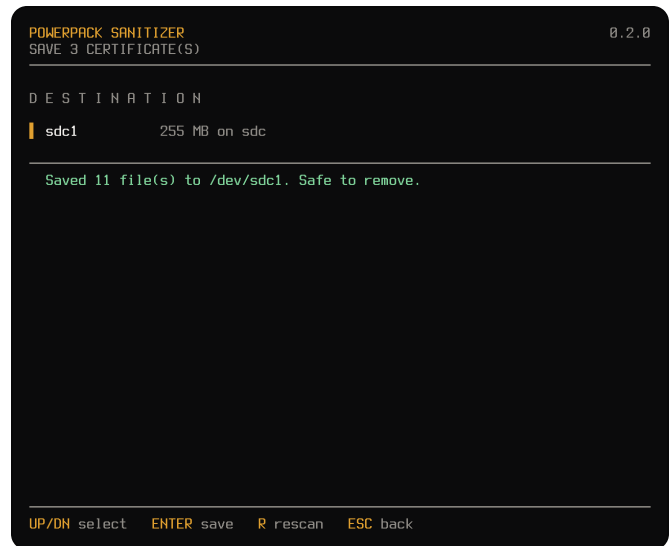
UP/DN select ENTER details C save certificates ESC drives
```

An eight-drive batch. Press Enter on a drive for its details.

If one drive fails (for example it is unplugged), the others carry on. The summary names the failed drive and says it was **not** sanitized; it gets no certificate.

08 Save and check certificates NEW

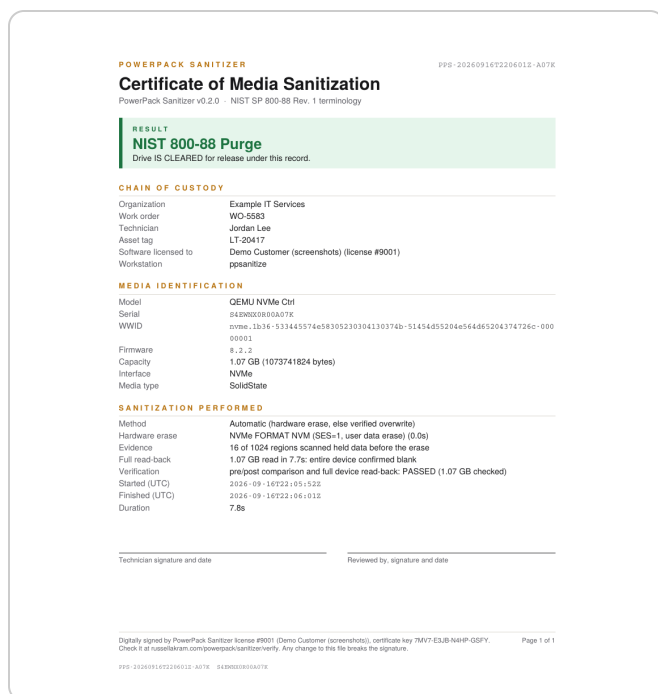
Certificates are held in memory until saved, so **save before powering off**. Plug in your second USB stick, press **C**, choose the stick and press **Enter**.



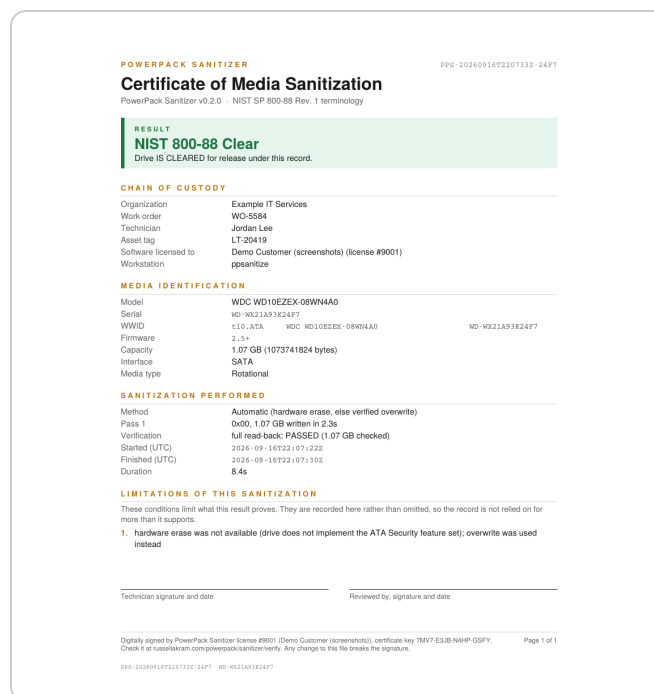
The stick receives a ppsanitize-certs folder. Inside it, every drive gets its own folder named **date, computer service tag, drive serial**, for example 2026-09-17_7XK2M13_S3U0NA0M658209 (the service tag is left out if the computer's firmware has none). The screen shows the folder name after saving. Each drive folder holds:

- **PDF certificate** (PPS-....pdf), digitally signed when your license includes the signing line. The machine-readable record is attached inside it.
- A plain text certificate (.txt) and a JSON record (.json).
- ppsanitize-diagnostics.log: a technical record of what the drives reported, useful for support. It contains no data from the drives and no license keys.

sanitization-log.csv stays at the top of ppsanitize-certs: one row per drive across every session, so a reused stick keeps one running list. Saving the same session twice does not add duplicate rows. Each certificate also names the computer the erase ran on (maker, model and service tag).



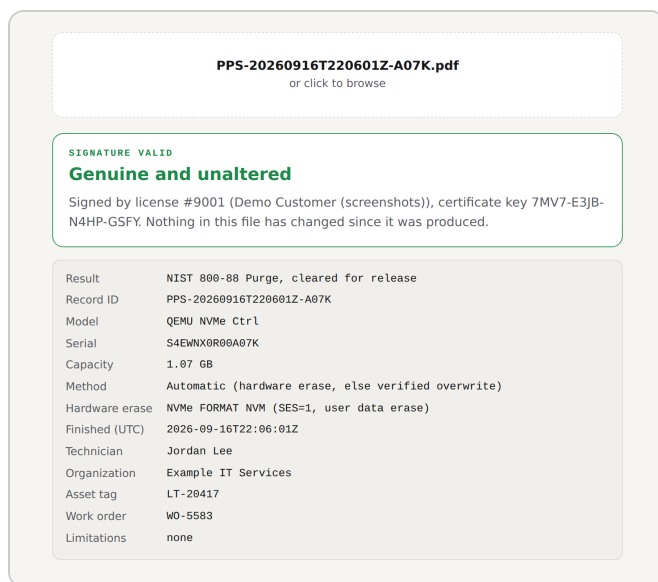
A signed PDF certificate for a hardware erase.



An overwrite result lists its limitations on the certificate.

Checking a certificate

Anyone, such as an auditor, a buyer of the equipment or your own records team, can check a PDF certificate on the **Verify** page linked from the product page. They drop the PDF in; the page shows whether it is genuine and unaltered, who produced it, and what it records. The file never leaves their computer.



Genuine and unaltered.



One character changed after signing.

Keep and share the original PDF. Printing to PDF or re-saving it creates a new, unsigned file. A valid signature proves who produced the certificate and that it has not changed; the result itself is whatever the certificate states.

09 SATA drives that are "frozen" NEW

Most computers lock SATA drives at startup so their security commands cannot be used. The drive then shows **frozen, U to unfreeze**, and only an overwrite (Clear) is possible until the lock is released.

```
POWERPACK SANITIZER                                0.2.0
Drive sanitization with honest reporting

D R I V E S

nvme0n1      1.07 GB  NVMe  QEMU NVMe Ctrl
ELIGIBLE     purge achievable      · S4EWNX0R00A07K

nvme1n1      1.07 GB  NVMe  QEMU NVMe Ctrl
ELIGIBLE     purge achievable      · S4EWNX0R01B17K

sda          1.07 GB  SATA  WDC WD10EZEX-00WN4A0
ELIGIBLE     frozen, U to unfreeze · WD-WX21A93K24F7

sdb          32.30 MB  USB   QEMU HARDDISK
PROTECTED    read-only            · no serial

sdc          268.44 MB  USB   QEMU HARDDISK
ELIGIBLE     overwrite only        · no serial

UP/DN select  SPACE mark  ENTER inspect  S sanitize  C certs  U unfreeze
```

1. If certificates are already in memory, save them first.
2. Press **U**. The screen explains what happens and whether the screen will come back after waking on this computer.
3. Press **Enter**. The computer sleeps for about 10 seconds and wakes by itself. If it stays asleep, press the power button once, briefly.
4. The tool reports which drives were released. They now show **purge achievable**.



If sleep does not release the lock: on a desktop, unplug and reconnect the drive's SATA power cable while the tool is running, then press **R** on the drive list. If the screen stays dark for more than a minute after sleeping, hold the power button, boot again and use an overwrite (Clear).

Drives in USB adapters

Many USB-to-SATA adapters block the commands a hardware erase needs. The drive's details screen names the adapter and says so; the drive can still be overwritten (Clear). For a Purge, connect the drive to a SATA port inside a computer.

Hidden areas on a drive **NEW**

A drive can be set up to report less capacity than it really has, using a **Host Protected Area** or a **Device Configuration Overlay**. Data can sit in that hidden part, and an ordinary overwrite of the "whole" drive never touches it. Recovery partitions and some factory tools use this; so does anyone hiding something.

The tool checks every SATA drive for this. The drive's details screen says **Hidden area**: none reported, the amount hidden, or that the drive did not answer. When capacity is hidden, it is unlocked automatically before the erase, so the whole drive is erased, and the certificate records what was found and that it was removed. If the drive refuses to unlock it (some firmware allows this only once per power cycle, or locks it entirely), the certificate says so plainly and the result drops to Clear instead of Purge.

10 Hardware report NEW

The third boot menu entry, **hardware report first**, reads every drive without changing anything and saves ppsanitize-report-....log to the first USB stick it can write to (not the boot stick). Then the normal interface opens. Send this file to support when a drive does not behave as expected.

```
PowerPack Sanitizer hardware report
-----
Reading every drive (read-only). This takes about a minute.

Report written. Looking for a USB stick to save it to...

Saved ppsanitize-report-20260916T225408Z.log to /dev/sdc1.

Press Enter to continue to the interface...
```

11 If you see "Activation required"

The stick was written from the **locked** download. The quickest permanent fix is to unlock the ISO (section 03) and rewrite the stick. To keep working right now:

```
POWERPACK SANITIZER
Drive sanitization with honest reporting      0.2.0
-----

ACTIVATION REQUIRED

This USB stick was made from a locked PowerPack Sanitizer image, so
it needs a license key before it will list or erase any drive.

Best fix (never asks again): unlock the ISO with your key on the
PowerPack Sanitizer unlock page, then write the unlocked ISO to USB.

Or activate this session now:
Type the key      Choose A and enter the key that starts with
                  PPSAN1- (dashes and case do not matter).
Key file on USB   Put license.key in the root of another USB
                  stick, plug it in, then choose A.
-----

A) Activate now
P) Power off

Choice [A]: _
```

- **Key file (recommended):** copy license.key to the top level of your certificates stick, plug it in, press `Enter`. Certificates will be signed.
- **Type it:** press `Enter`, type the PPSAN1- key, press `Enter`. Certificates will not be signed.

```
POWERPACK SANITIZER
Drive sanitization with honest reporting 0.2.0
-----

Activated. Licensed to Demo Customer (screenshots) · #9001 evaluation, until 2026-09-20 · key entered at boot ·
unsigned PDFs

This session is licensed until power off. To skip this step next
time, unlock the ISO with your key and rewrite this USB stick.

Starting the interface...
```

Activation lasts until power off.

12 Troubleshooting

PROBLEM	FIX
Computer ignores the stick	Use the one time boot menu, disable Secure Boot, and check the stick was written in DD/image mode.
Drive is not listed	Set SATA mode to AHCI in firmware setup (not RAID, Intel RST or VMD), then reboot.
Drive shows frozen	Press U (section 09).
"USB adapter does not pass ATA commands"	Use a SATA port inside a computer for a Purge, or accept an overwrite (Clear).
Certificate stick not offered	Use a stick formatted FAT32 or exFAT with a normal partition table (the Windows and macOS default).
Certificates are not signed	The stick was unlocked or activated with the key line only. Unlock again pasting the whole <code>license.key</code> .
Screen blank or garbled	Choose text mode, for troubleshooting in the boot menu.
Wrong date on certificates	Certificates use the computer's clock. Fix the date in firmware setup.

13 License basics

- **Single technician:** one named person, any number of computers and drives.
- **Site:** any number of technicians at one physical location.
- **Evaluation:** full features, for a limited time.
- Licenses are checked offline. No internet connection, account or activation server is involved, and nothing about your drives is ever sent anywhere.

- Certificates are signed with a key tied to your license. The license key itself is never written into a certificate.