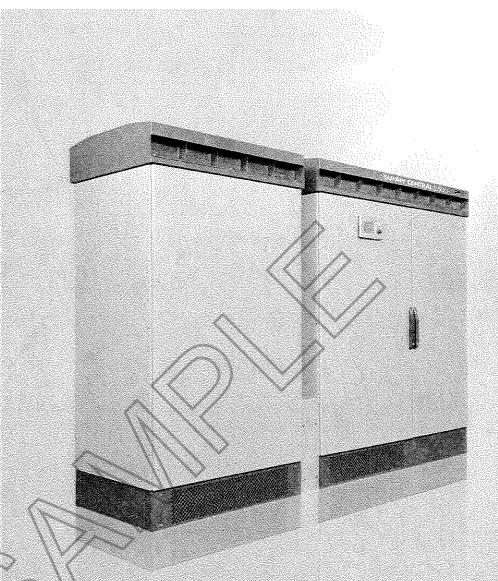


Sample Document Manufacturer's Data Sheet for Equipment

SMA

SUMMY CENTRAL 250U / 500U

- > 97% CEC weighted efficiency
- Integrated isolation transformer
- Graphical LCD interface
- Sunny WebBox compatible
- > Optional combiner boxes
- > Install indoors or out
- > UL 1741 / IEEE-1547 compliant



SUNNY CENTRAL 250U / 500U

The ideal inverters for large scale PV power systems

The new Sunny Centrals have integrated isolation transformers and deliver the highest efficiencies available for large PV inverters. A completely updated user interface features a large LCD that provides a graphical view of the daily plant production as well as the status of the inverter and the utility grid. With the optional Sunny WebBox, users can now choose from either RS485 or Ethernet based communications. Designed for easy installation, operation and performance monitoring, the new Sunny Central is the ideal choice for your large scale PV project.



Technical Data SUNNY CENTRAL 250U / 500U

	SC 250U	SC 500U
Inverter Technology	True sine wave, high frequency PWM : with galvanic (solation	True sine wave, high frequency PWM with galvanic isolation
AC Power Output (Nominal)	250 kW	шинентический канашиновайболиционного сторого доскольностью постольного общество в 500 kW
AC Voltage (Nominal)		$480V_{cc}$ WYE $/\Lambda$
AC Frequency (Nominal)	60 Hz	60 Hz
Current THD	< 5%	< 5%
Power Factor (Nominal)	> 0,99	> 0,99
AC Output Current Limit	300 A _{AL} @ 480 V _{AC}	600 A _{xc} (@ 480 V _{xc})
DC Input Voltage Range	300 - 600 V _{pc}	300 - 600 V _{ac}
MPP Tracking	300 - 600 V _{pc}	300 - 600 V _{oc}
PV Start Voltage (Configurable from 300 – 600 V _{sc})	400 V ₆₀	400 V ₂₀
Maximum DC Current	. 800 A _{BC}	1600 A _{nc}
Peak Efficiency	97.5%	97.5% (estimated)
CEC Weighted Efficiency	97%	97% (estimated)
Power Consumption	69 W Standby, < 1000 W with fans	69 W Standby, <1500 W with fans
Ambient Operating Temperature	-13 to 113 °F at full power output	13 to 113 °F at full power output
	up to 122 °F at reduced power	up to 122 °F at reduced power
- поточения на принципального принценти по принценти по принцент	Variable-speed forced air	Variable-speed forced air
Fuctoring Control of the Control of	ээрэгчий жилий жи	NEMA 3R
Dimensions: W x H x D in inches	110 × 80 × 33	142 × 80 × 37
**************************************	минициплия домничения при настройний при настройний при настройний настройни	6725 lbs
Compliance	UL 1741, IEEE-1547	UL 1741, IEEE-1547 (pending)
View daily and archived performance data graphically on Sunny Portal	for da	online current
Memory expansion and data transmission to a PC using a removable SD card	Easily view data in analysis programs	

www.SMA-America.com Phone 916 625 0870 Toll Free 888 4 SMA USA



** Powered "

«sol^ron

∘sitegu∧rd°

PVP35kW and PVP50kW

Three-Phase inverter solutions for small commercial projects

The all new 35kW and 50kW commercial inverters feature the same industry leading reliability, efficiency, ease of installation, and lifetime maintainability of PV Powered's larger commercial inverters. These two models are sized to serve smaller PV system designs, or to provide the perfect fit to complete a larger PV system. In addition, the 35kW and 50kW deliver the highest efficiency in their class and rival the efficiency of much larger inverters.

High reliability is enabled by a ground-up design for 20+ year operating life that features busbar power connections, card cage circuit board design, and the widest temperature rating of any inverter in its class. The highly integrated system saves installers time and money by including load-rated AC & DC service disconnects, neutral-free installation, oversized busbar landings and generous cable bending area. The 35kW and 50kW have a 295VDC minimum MPPT voltage that enables the stringing flexibility that is critical for smaller rooftop projects.

Advanced Energy backs all its commercial inverters with an industry-leading 10-year nationwide warranty and an optional 20-year warranty; plus the most responsive service and support team in the business.

Superior Reliability

- Designed for 20+ year operating life
- · Smart Air Management*
- · Low parts count reduces potential failure points
- Card cage circuit board system minimizes electronic interconnections

Exceptional Installability

- Bottom and side cable entry with generous bending area and oversized busbar landings
- · Customizable subcombiner fusing options
- Full power output at 295 VDC enables more PV array design options
- Exterior mounting flanges for fast and easy anchoring with no pre-drilling

Easy to Maintain

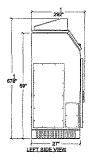
- · All maintenance and service via front access
- Fast change circuit board system shortens service time
- · Load-rated AC and DC service disconnects
- Dedicated monitoring section separate from AC and DC modules



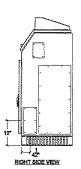


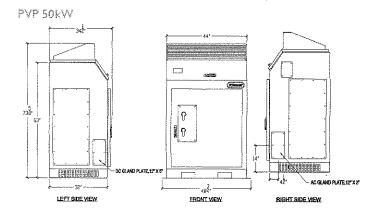


Dimensions PVP 35kW









Electrical Specifications

Model	PVP 35kW	PVP 50kW
Continuous Chromi Forgs (eW)	35	50 :- '
Ray Efficacy (%)	97.0	97.2%
Service SECERGERY	208: 95.5%	208: 96.0%
	480: 96.0%	480: 96.0%
	600: 95.5%	600: 96.0%
Andrew De tonic Valletting West and the	.600	600
	295 - 595	295 - 595
Specific Southful Contains (A)	125	178
AC Nanosal Oslicue (V)	208Y, 480Y, 600Y	208Y, 480Y, 600Y
	. 208: 183 - 228	208: 183 ~ 228
	: 480: 422 - 528	480: 422 - 528
	-600: 528-660	600: 528-660
As English Language	59.3 - 60.5	59.3 - 60.5
and Marketine Continuous Street, A)	208: 100	208: 141
	480: 43	480: 61
	:600: 35	600: 49
	33	33
Famous Butterson (TEHE)	<3	\$ 3
Power Factor	>.99	>.99

Options

- Subcombiner fusing
- Integrated data monitoring solutions
- · integrated revenue grade meter
- Stainless Steel (PVP50kW only)
- Positive ground
- Preventative maitenance program
- · 20-year extended warranty

Agency Approvals
UL 1741, IEEES19, IEEE929,
IEEE1547, CSA 107.1-1,
FCC Class A

Mechanical Specifications

Model	PVP 35kW	PVP 50kW	
Windows .	NEMA 4	NEMA 4	
Construction	Powder Coated Steel	Powder Coated Steel Optional Stainless Steel	
Molhsony	Pad Mount	Pad Mount	
Alaging inc.	1200	1500	
Constitution of the second of	Forced Convection	Forced Convection	
Character Conservation Rose (CC)	~30 to 50	-30 to 50	
Seastle / State Stat	-40 to 60	-40 to 60	
Izalician Transformer	Yes	Yes	
PARTER THE TURBET PARE TREETED THE	Full load at 6 ft=54 dBA	Full load at 6 ft=54 d8A	
	Full load at 50ft=44 dBA	Full load at 50ft=44 dBA	
* dBA=decibles measured according to A-weighted time average sound pressure level. The uncertainty value (K) = 3 dBA			

^{*} dBA=decibles measured according to A-weighted time average sound pressure level. The uncertainty value (K) = 3 dBA.

Specifications are subject to change without notice.

