8kW Solar Power System

Flexible & powerful solution for DC telecom

Exicom's Solar 8kW system is a modular and flexible system designed to provide power in remote, poor grid and off grid locations. These systems are used with combination of solar pants and batteries. Our advanced M1000/M2000 controller provides real time monitoring and solar generation data. Customers can achieve reduction of operational expenses by 70 – 80% primarily due to the reduction of diesel consumption by generators and a reduced service cost.

Key Features:

- Power anywhere: Power an off-grid telecom site or create micro grids that are efficient and scalable
- Modularity & reliability: Even in case of failures, our modular architecture allows the system to be operational and module scan be replaced in seconds
- Efficiency: Achieve lowest operational costs with Exicom solar charger with MPPT efficiency of +99% & converter efficiency of up to 95.0%
- Lower cost: Achieve 70% reduction in expenses on account of lower running of DG genset and related maintenance expenses

Applications:

- Telecom sites: Off-grid, poor grid, conversion to renewable energy
- Micro-grids: villages, communities, rural electrification
- Autonomous broadband, 4G LTE, Wi-Max sites

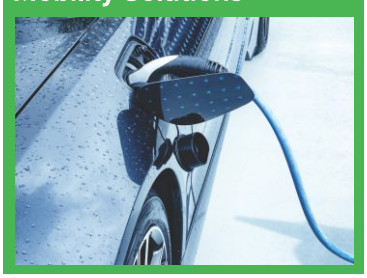
8kW Telecom Solar Power System - Technical Specifications

DC Input	**DC input voltage**	120-400Vdc
	Input termination	UIK terminal blocks (4 arrays max.)
DC Output	**Maximum power**	8kW (2kWx4) Solar Charger
	Output voltage	42 to 58Vdc (54Vdc Nominal)
	Output current	167A @ 48V
Battery & load Distribution	**Load LVD**	125A default
	Battery LVD, Termination	125A default, 125A x 2 breaker / 125A x 2 fuse
	DIN mounted breakers	Configurable upto 8 battery (max 2), priority & non-priority load breakers (18mm size)
	Common positive termination	Copper bus bar (front or top access)
	Metering	DC load / Solar kWh metering
Other Specifications	**Controller options**	M1000 / M2000 controller platform
	Local operation	Self-explanatory menu guided operation via joystick & TFT
	Remote operation	Ethernet for remote/local monitoring and control via WEB browser
	PFC inputs / digital inputs	8 opto isolated digital inputs
	PFC outputs / digital outputs	8 NO/NC relay outputs
	Battery compatibility	VRLA/Li-Ion
	Operating temperature	-40°C to +45°C (nominal) 45°C to +75°C (derated performance)
	Storage temperature	-40°C to +85°C
	Mounting	19" rack mount sub rack
	Dimensions (w x h x d)	482 x 257 x 378 mm
	Degree of protection	IP 20
	Applicable standards	EN 60950-1, EN 55022 (Class B), EN 55024, EN 300019-1-1/2/3, ROHS complied
Ordering Info		Solar Power System Part No.: HE517864 Solar Photon-II 2kW: HE513180 (max. 4 per system)

Specifications are subject to change without notice

Web: www.exicom-ps.com

Mobility Solutions



DC Telecom Solutions

ESS Solutions

Contact

Plot No. 77 A, IFFCO Road, Sector 18, Gurugram, Haryana 122015

Contact@exicom.in
Sales.India@exicom.in
Sales.APAC@exicom.in
Sales.Africa@exicom.in
Service@exicom.in