

PowerMe PSU60_1 Power System is an industry-leading system optimized for the demanding power needs of wireless communications and broadband access equipment.

Requiring only 2RU (87.6mm) of rack height, the PSU60_1 system is the optimal flexible solution for a wide range of Mission Critical applications.

The DC power system consists of maximum 4pcs 48V/20A DCR48V20A rectifiers, a DCCU01 controller and a 2U magazine including DC distribution (Mcb) and properly dimensioned battery protections.

It has wide input voltage range which suits for 230Vac/1P AC input, it adopts the state of art switch power supply technology such as softswitching, lossless absorption and active power factor correction to ensure its compactness, lightweight, high efficiency, immunity from interface, high stability, perfect protection. It is the ideal solution for 5G networks!



CARATTERISTICHE COMUNI – COMMON CHARACTERISTICS

Temperatura - T°	-40 ÷ +70°C
Temperatura - T° (storage)	-40 ÷ +85°C
Umidità Relativa - Relative humidity	≤ 95% non-condensing
Grado di protezione - Protection Degree	IP 20B

CARATTERISTICHE DI INGRESSO – INPUT CHARACTERISTICS

Tensione – Voltage	230V 1 ϕ +N
Max variation on input voltage (w/o de-rating in power)	85 \div 300Vac
Max variation on input voltage (with de-rating in power)	80 -153Vac
Frequenza - Frequency	50/60Hz \pm 5%
Corrente Max - Max Current	\leq 7A per module
Fattore di potenza – Power Factor	\geq 0,99
Efficienza - Efficiency @ rated conditions	\geq 96%

CARATTERISTICHE DI USCITA – OUTPUT CHARACTERISTICS

Rated output voltage	48Vcc
Floating Voltage	54,48Vcc (AGM) 53,52Vcc (GEL)
Voltage stability (steady state)	< 1%
Ripple	<2mVpsom 50mVeff 100mVpp
Rated output current	60A
Protezioni Uscite - Output Protections (MCB)	Standard Configuration : 80A bistable LVD 4x 1A/1P (max30A) 1x 50A/1P & 1x 30A/1P (Batteries)
Allarmi - Alarms	6x relay full configurable 6x digital inputs
Interfaccia Operatore - Operator's Interface	LED Ethernet to connect a LAN or a Lap-top

CARATTERISTICHE TERMICHE / MECCANICHE – THERMAL AND MECHANICAL FEATURES

Ventilazione - Cooling	Forced
Dimensions (WxDxH)	19" 1RU (482,6 x 280 x 44,4)
Peso - Weight	5Kg

NORMATIVE DI RIFERIMENTO – STANDARD REFERENCES

Sicurezza - Safety	EN 60950
Emissioni Condotte – Conducted Emissions	EN 55022 Classe B
Electrostatic discharge immunity	EN 61000-4-2
RF radiated field immunity	EN 61000-4-3
Fast transient / burst immunity	EN 61000-4-4
Surge immunity	EN 61000-4-5