

SPECIFICATIONS

TECHNICAL DATA

VORTEX Z-12 PRO

Rated Power 12000VA/12000W

PV input data

Max. PV Input Power(W) 2×7500
Max. PV Input Voltage(V) 500
MPPT Voltage Range(V) 60-450
Max. Current per MPPT(A) 27/27
Number of MPPT Trackers 2

AC Output Data

Rated AC Output Power(W) 12000
Rated Output Current(A) 52.2
Peak Output Power, Time 60S@102%-125% Load: 10S@ 125% Load
Rated voltage 220/230/240VAC
Rated Frequency 50/60Hz
Switch Time(ms) 10mS (@UPS)
Output Voltage Waveform Pure Sine Wave
Max Efficiency 98%

AC input Data

Rated voltage 220/230/240V
Voltage range(V) 90-280VAC±3V (Normal mode) 170-280VAC±3V (UPS mode)
Input Type L+N+PE
Rated Frequency 50/60Hz

Battery input data

Battery Type Lithium, Lead-acid
Battery Voltage(V) 48
Max. Charging Current(A) 160
Float Charging Voltage(V) 54

Protection

Integrated Over Current Protection/ Over and under Voltage Protection/Output Short Circuit Protection/Over-temperature protection/Over and under Frequency Protection/Surge Protection

General Data

Display LCD
Operating Temperature Range -10°C to 60°C
Dimension (W x H x D)(mm) 550x410x130
Weight(kg) 20
Installation method Wall-mounted
Relative Humidity 5% ~ 95% (Non-condensing)
Max. Operating Altitude(m) Derating over 1000m, Max 4000m, Refer to IEC62040
Protection Degree IP54
Communication RS232,WI-FI,RS485
Number of parallel 6
Standard IEC61683,IEC61000,IEC 62109-1/2