

PowerGiant



Commercial Energy Management System PG-EMS10

Version 1.0

PowerGiant Technology Corporation reserves the right of final interpretation (2024)

EMS Hardware Technical Spec

EMS Controller	
Control Function	Dynamic voltage regulation, peak shaving and Backup power, demand control, and dynamic capacity expansion
CPU	Armv8 Cortex-A53 1.6 GHz, Quad
RAM	8GB
LAN Ports	2
Serial Ports	4
CAN Ports	2
Digital Input/Output	4
USB 2.0	1
Dimensions	141.5 x 120 x 41 mm
Weight	750 g
Communication	Ethernet/ 4G LTE / WiFi
Storage	16 GB eMMC, 1 x MicroSD slot
Power Input	Dual power, 9~48 VDC
Certificates	CE, FCC, UL, BSMI, UKCA, RCM, KC
Operating Temp.	-40 to 65°C
DI/DO Extended	
DI	16
DO	16
Dimensions	(27.8 x 124 x 84 mm) x 2
Weight	(200 g) x 2
RS-485 Extended with Modbus gateway	
RS-232/422/485	8 ports (16 ports optional)
Dimensions	480 x 45 x 198 mm
Weight	2820 g
Outdoor HMI	
Size	15-inch touch panel computer
CPU	Intel Atom® x6211E dual-core or x6425E quad-core processor
Operation Temperature	-30 to 60°C
sunlight-readable LCD	1000 nit
Power Input	12/24 Vdc
Performance	Glove-friendly, multi-touch screen

Dimensions	370 x 297 x 73.7 mm
Weight	4,300 g