Potis Edge
Powering the Sustainable Edge

ALOE Pro-M10/15/20

Low-Voltage Parallel On-Grid Residential ESS

Support up to
6 units in parallel
≤115kWh

LABOR-SAVING, PLUG-AND-PLAY

- Quick plug design for easy transport and installation
- Single PACK ≤45kg, control box ≤14kg installable by one person in 30 minutes

OFF-GRID READY

- Support up to 6 units in off-grid parallel mode, charging household loads via photovoltaic circuit without a power grid

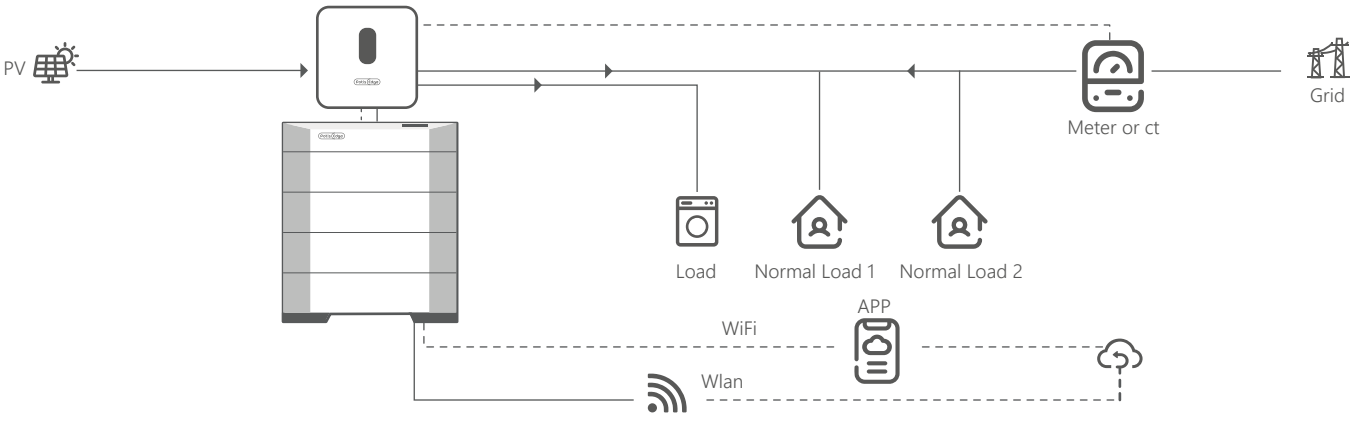
ENERGY-SAVING MODE

- Automatically enter low power mode during idle periods and quickly wake up when current is detected

SCALABLE ENERGY

- Expand by stacking PACKs, from 9.6kWh to 19.2kWh
- Multi-system parallel connections expand from 5kW, 19.2kWh to a maximum of 30kW, 115.2kWh
- Fault-tolerant design allows continued operation even if one module fails

Application Scenarios



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Model	ALOE PRO-M10	ALOE PRO-M15	ALOE PRO-M20
System Parameters			
Battery box quantity	2	3	4
Rated energy	9.6kWh	14.4kWh	19.2kWh
Battery chemistry	LFP(LiFeP04)		
Rated pack voltage	48V		
Max. Charging/Discharging current	120A/140A		
Battery module connection	1-4 in Parallel		
PV Data			
Max. PV input power	9000W		
Max. PV input current	15A/15A		
Max. PV input voltage	550V		
Star-up input voltage	90V		
Rated PV input voltage	360V		
MPPT voltage range full load (V)	230-480		
PV overload	200% with battery installed		
Max. PV short-circuit current	20A/20A		
No. of MPPT trackers	2		
String per MPPT tracker	1		
On-Grid			
Rated voltage	220V/230V		
Rated frequency	50Hz/60Hz		
Rated output power	6000W		
Max. AC output apparent power	6000VA		
Rated input power	9000W		
Max. AC input power	9000W		
Rated AC input current	41A		
Max. AC input current	41A		
Rated output current	26.1A		
Max. AC output current	27.2A		
Backup			
Rated voltage	220V/230V		
Rated frequency	50Hz/60Hz		
Rated output power	6000W		
Rated output current	26A		
Max. AC output current	26A		
General Data			
Weight	PCS: 25kg Battery: 104kg	PCS: 25kg Battery: 149kg	PCS: 25kg Battery: 194kg
Dimension(W*H*D)	PCS: 515*175*487 mm Battery: 600*430*400 mm	PCS: 515*175*487mm Battery: 600*430*590mm	PCS: 515*175*487mm Battery: 600*430*740mm
Ingress protection	IP65		
Operating temperature range	-10°C~45 °C		
Communication	CAN2.0B, RS485, WiFi		
Operating humidity	5%~95%, RH		
DOD	100%		
Installation method	Ground-Mounted/Wall-Mounted (optional)		
Standard & Compliance			
Safety	IEC62109		
EMC	IEC61000		
Standard	**NRS097-2-1, AS4777.2, RD1699/661/647/413/244 UNE217002&NTS/UNE217001, G99, C10/11**		

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