

PowerLegato®

Residential Integrated Energy Storage System

» EnergyOptimizer with Remote Access

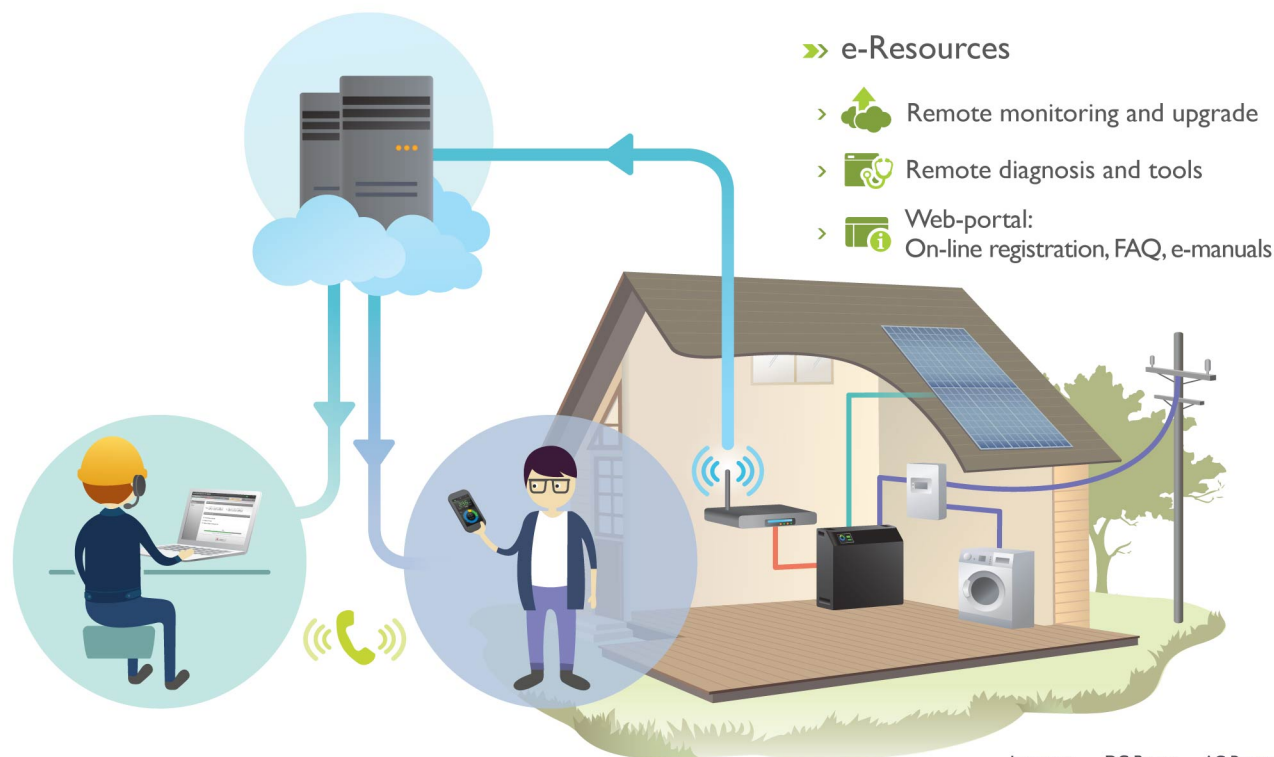
- » ECO Mode
- » UPS Mode
- » Schedule Mode



EnergyOptimizer



PowerLegato® Residential Integrated Energy Storage System



>> e-Resources

- > Remote monitoring and upgrade
- > Remote diagnosis and tools
- > Web-portal:
On-line registration, FAQ, e-manuals

Load



LED x12



Consumption



170 W

200 W

100 W

120 W

Power Supply



35 Hours

30 Hours

60 Hours

50 Hours



reddot design award
winner 2013



AU Optronics Corporation
No. 1, Li-Hsin Rd. 2, Hsinchu Science Park, Hsinchu 30078, Taiwan Tel: +886-3-500-8899 Email: ess@auo.com
© Copyright May 2013 AU Optronics Corp. All rights reserved. Information may change without notice.

PowerLegato® 7200 / 4800 / 2400:

Input Variables (AC)

Line Voltage	100, 110, 120 / 220, 230, 240 VAC
Acceptable Frequency	50 / 60 Hz

Input Variables (DC)

Max. Recommended PV Generator Power	2.7 / 4.5 kWp
MPPT Range	120-320 / 150-440 VDC
Full Load MPPT Range	150-320 / 250-440 VDC
PV Open Circuit Voltage	350 / 500 VDC
PV Short Circuit Current	20A
Max. Input Current (150V / 250V)	18A
Number Of MPPT	1

Output Variables (AC)

Rated Output	2 kW / 3 kW
Peak Output (<30 sec.)	3 kW / 4.5 kW
Output Voltage	100, 110, 120 / 220, 230, 240 VAC
Rated Current	20, 18, 16.6 / 13.6, 13, 12.5 A
Rated Frequency	50 / 60 Hz
Power Factor	> 0.99
Feed In Type	Single-phase

Certificates And Approvals

Standards Compliance	IEC62109 / EMC61000 / VDE-AR-N 4105 / VDE-AR-N 0126 / G83 / SBA SI 101 / IEC62040 / JIS-C441 I-2
----------------------	--

Battery System

Battery Cell Type	Lithium-ion battery (Made In Japan)
Battery Voltage	48V
Nominal Battery Capacity	7.2 / 4.8 / 2.4 kWh
Battery Protection	Over Temperature, Over Current, Over Voltage, Under Voltage

Mechanical Data

HMI Display Area (LxW)	136.2mm x 72mm
HMI Display Interface	Capacitive Touch Panel
Operating Temperature Range	-20°C ~ +40°C
Connections For DC PV	MC4-compatible
Protection Class	IP31
Housing Material	SECC / PC+ABS
Dimension (W*D*H)	672 *326 (with stand 384) *688mm
Weight	~138 / 109 / 81 kg

EnergyOptimizer Software

Operation Modes	Eco - Money Saving Algorithm UPS - Off-line, Sine Wave, Transfer Time < 15 ms Schedule - 30 Minutes Interval, Weekly, Special-Day Schedule Settings
System Protection	Password Control, Fault Alarm, Ground Fault Monitoring, Battery Emergency Cutoff, Inverter Short, Over Load, Sensor Failure
Dashboard Information	Real Time PV Generation, Energy Retention, Load Consumption, Historical Data (hour, day, week, month)
Internet Access	Ethernet (Available Q3, 2014)