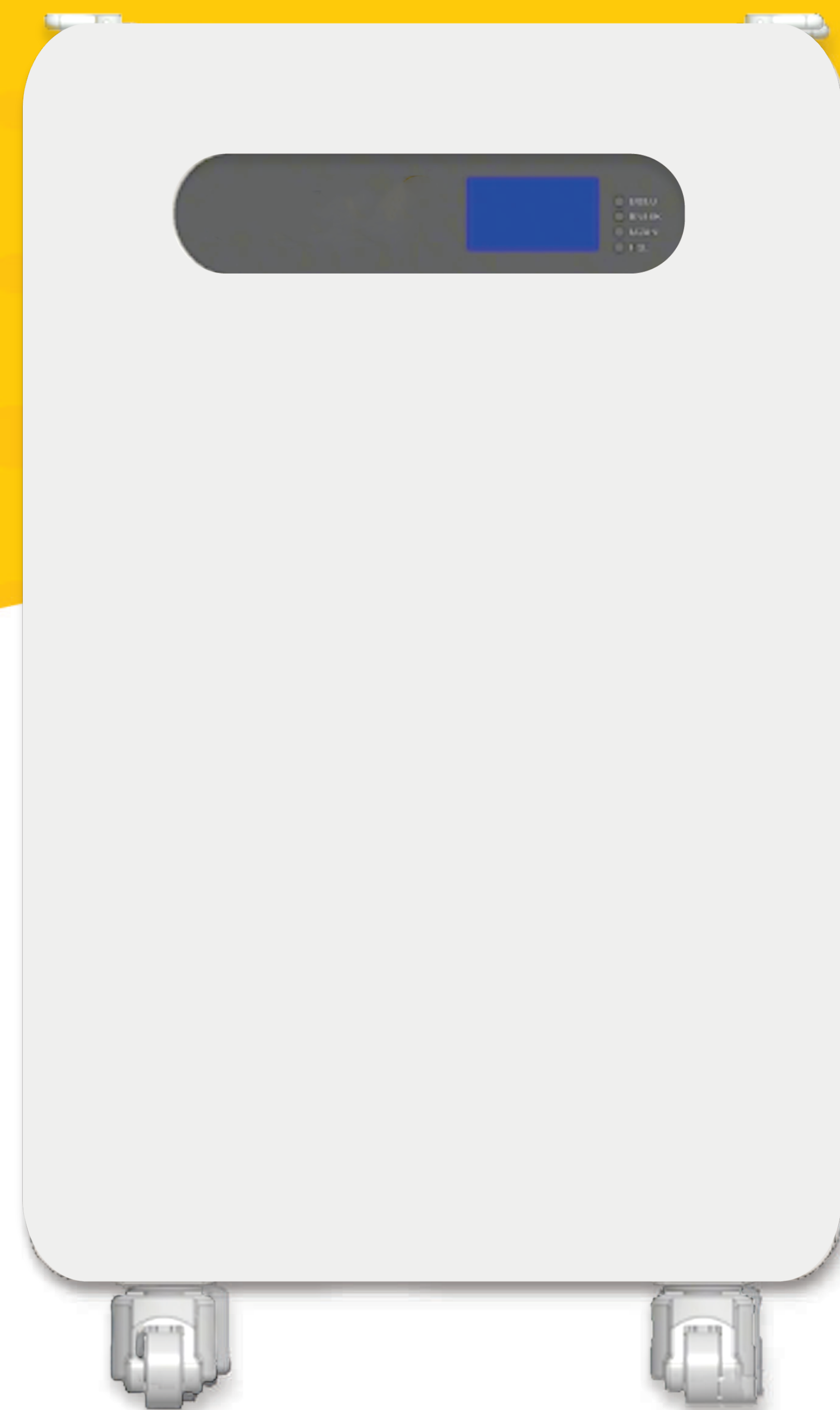


LOW VOLTAGE BATTERY SERIES

RECHARGEABLE LFP BATTERY

AU51100/300-R-IS



Safety First
Built-in safeguards against
overcharging and over-discharging



Easy Setup
Effortless integration into existing
rack systems



Durable Performance
Reliable longevity for consistent
power supply



Expandable Flexibility
Easily scale up to meet evolving
energy needs



Space-Saving Design
Perfect fit for compact residential spaces



Smart Control
Remote monitoring and control
for user convenience

Technical Specification

AU51200-R-IS		AU51314-R-IS	
BASIC INFORMATION			
Rated Capacity [kWh]	10.24		16.07
Nominal Capacity [Ah]	200		314
Rated Voltage [V]	51.2		
Operating Voltage Range [V]	43.2-58.4		
Life Cycles	≥6000 cycles (0.2C, @25°C, 80%DoD)		
Charging Voltage [V]	57.6-58.4		
Cut-off Voltage [V]	43.2		
Max. Charging Current [A]	200	200	
Recommended Charging Current [A]	100	100	
Max. Discharging Current [A]	200	200	
Recommended Charging & Discharging Power	charge 0.5C	discharge 1C	
Battery Type	LFP		
Depth of Discharge (DOD)[kWh]	90%		
Nominal Battery Energy[kWh]	10.24	16.07	
Usable Battery Energy	9.21	14.47	
Communication	RS485/CAN		
Protection Level	IP21		
Expansion	32		
Certification	UN38.3/CE/MSDS		
GENERAL PARAMETERS			
Dimension (L×W×H) [mm]	685*447*232	817 *447*232	
Weight [kg]	92	125	
Humidity	5%~95% Relative humidity		
Design Life	>10000cycles@25°C, 0.2C, 80%DOD	>12000cycles@25°C, 0.2C, 80%DOD	
Warranty Life	>8000cycles@25°C, 0.2C, 80%DOD	>10000cycles@25°C, 0.2C, 80%DOD	
Efficiency	≥99%		
TEMPERATURE PARAMETERS			
Discharging Temperature [°C]	-20~+60		
Charging Temperature [°C]	0~+55		
Storage Temperature [°C]	-10~+30		