



Datasheet-ECO-X Forest R

The ECOX Forest R, a new generation of energy storage products that integrate inverters and batteries, and is a landmark "New Home appliance". ECOX Forest R can manage your energy usage throughout the day, provide smart configurable backup power during grid outages and power smart homes with solar energy, day and night.

	R2	R3	R4	R5	R6
Capacity	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Nominal voltage	51.2V				
Weight (approximate)	150kg	200kg	250kg	300kg	350kg
Dimensions W"/H"/D" (approximate)	720*450*1900mm				

Inverter	8K	10K	12K
PV input power	10400W	13000W	15600W
PV input voltage	550V(150V~800V)		
MPPT voltage range	200V~650V		
Start-up voltage	160V		
No. of MPPT trackers	2		
No. of strings per MPPT tracker	1+1	2+1	2+1
Rated AC outpower	8000W	10000W	12000W
AC output rated current	12A	15A	18A
Grid type	Three Phases		

General Specification

Capacity	5.12kWh per battery module, up to 6 modules
Transfer switch	Automatic, integrated
Listed and recognized certificates	Battery modules: UL1973, IEC62619, CE, UN38.3 Inverter : IEC62109, IEC61727, TOR, IEC62116, IEC60068, IEC61683, NRS 097-2-1
Warranty	Battery: 10 years or 6,000 cycles Inverter: 5 years Cabinet: 10 years
Temperature range	Charge: 0~45°C Discharge: -10~50°C

Battery Module Specification

DC battery input voltage	47.5–57.6 V
Max charge current	50 A per module
Cell discharge	5.12 kWh with 90% DoD
Overcharge Protection	MOSFET & Fuse protection

