



The **e**nergy of the future



ECO AIO

FLEXIBLE STACKING



72- Evington Road,
LE2 1HH Leicester, UK



Mobile : +44 (0) 7729636318



Website : www.ecoess.co.uk

E-mail : aazib@ecoess.co.uk



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Flexible Stacking

10Kwh/15Kwh/20Kwh/25kwh/30Kwh+5KW



Without wire connection



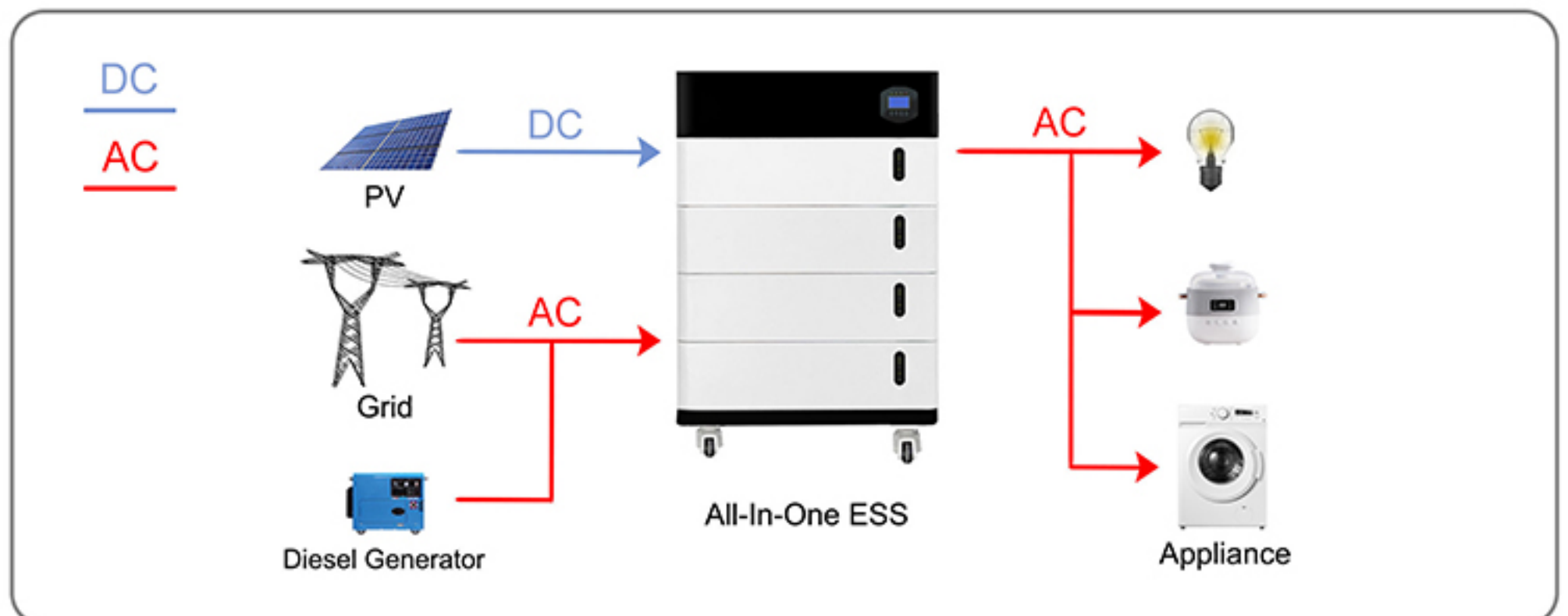
All-In-One
(Battery & Inverter)







Easy installation



15 Levels protection



	10KWh+5KW	15KWh+5KW	20KWh+5KW	30KWh+5KW
Model	 ECO-10KWH+5KF1-A1	 ECO-15KWH+5KF1-A1	 ECO-20KWH+5KF1-A1	 ECO-30KWH+5KF1-A1
Battery				
Battery Voltage	51.2V			
Battery capacity	200Ah	300Ah	400Ah	600Ah
Charge voltage	58.0V			
Discharge cut-off voltage	42.0V			
Charge current	50A			
Max charge current	100A			
Discharge current	100A			
Max discharge current	150A			
Max peak current	300A			
Communication method	RS485/ CAN			
Inverter				
Power	5KW			
Output Voltage	230VAC			
Frequency	50Hz			
Input power (PV)	5KW			
Input voltage range (PV)	120~430VDC			
Communication connect port	RS485/ CAN/ WiFi			
General Parameters				
Material/ Colour	Metal/ White			
Size	585*360*610mm	585*360*760mm	585*360*915mm	585*360*1225mm
Weight	105Kg (about)	148Kg (about)	191kg (about)	234kg (about)
Temperature	Charge: 0°C-50°C Discharge: -15°C-60°C			



Flexible Stacking

10Kwh/15Kwh/20Kwh/25Kwh/30Kwh+10KW



Without wire connection



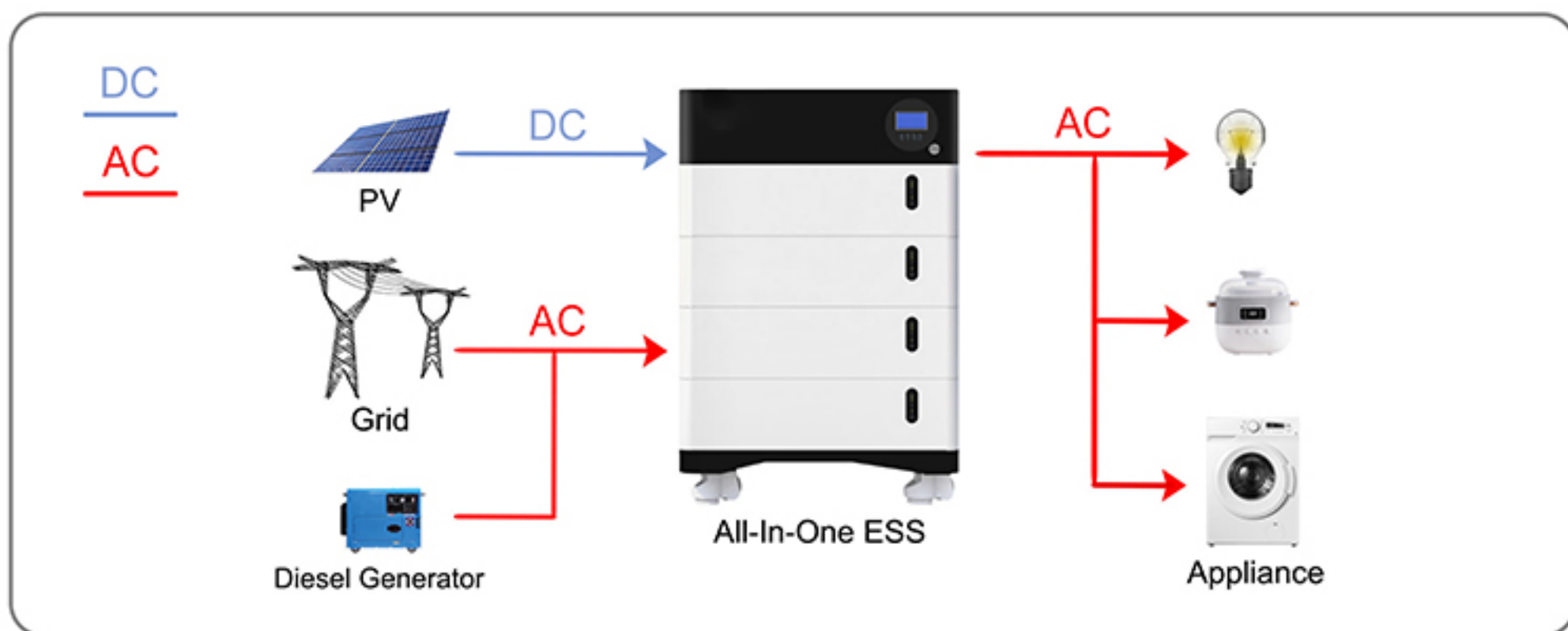
All-In-One
(Battery & Inverter)







Easy installation



15 Levels protection



	10KWh+10KW	15KWh+10KW	20KWh+10KW	30KWh+10KW
Model	 ECO-10KWH+10KF1-A1	 ECO-5KWH+10KF1-A1	 ECO-20KWH+10KF1-A1	 ECO-30KWH+10KF1-A1
Battery				
Battery Voltage	51.2V			
Battery capacity	200Ah	300Ah	400Ah	600Ah
Charge voltage	58.0V			
Discharge cut-off voltage	42.0V			
Charge current	100A			
Max charge current	200A			
Discharge current	200A			
Max discharge current	220A			
Max peak current	300A			
Communication method	RS485/ CAN			
Inverter				
Power	10KW			
Output Voltage	230VAC±5%			
Frequency	50Hz/60Hz			
Input power (PV)	10500W			
Input voltage range (PV)	90~450VDC			
Communication connect port	RS485/ WiFi			
General Parameters				
Material/ Colour	Metal/ White			
Size	590*550*611mm	590*550*760mm	590*550*909mm	590*550*1058mm
Weight	113Kg (about)	155Kg (about)	197kg (about)	239kg (about)
Temperature	Charge: 0°C-50°C Discharge: -15°C-60°C			

Automotive Grade Process

Support 2-Levels/3-Levels Architecture



Automotive grade BMS



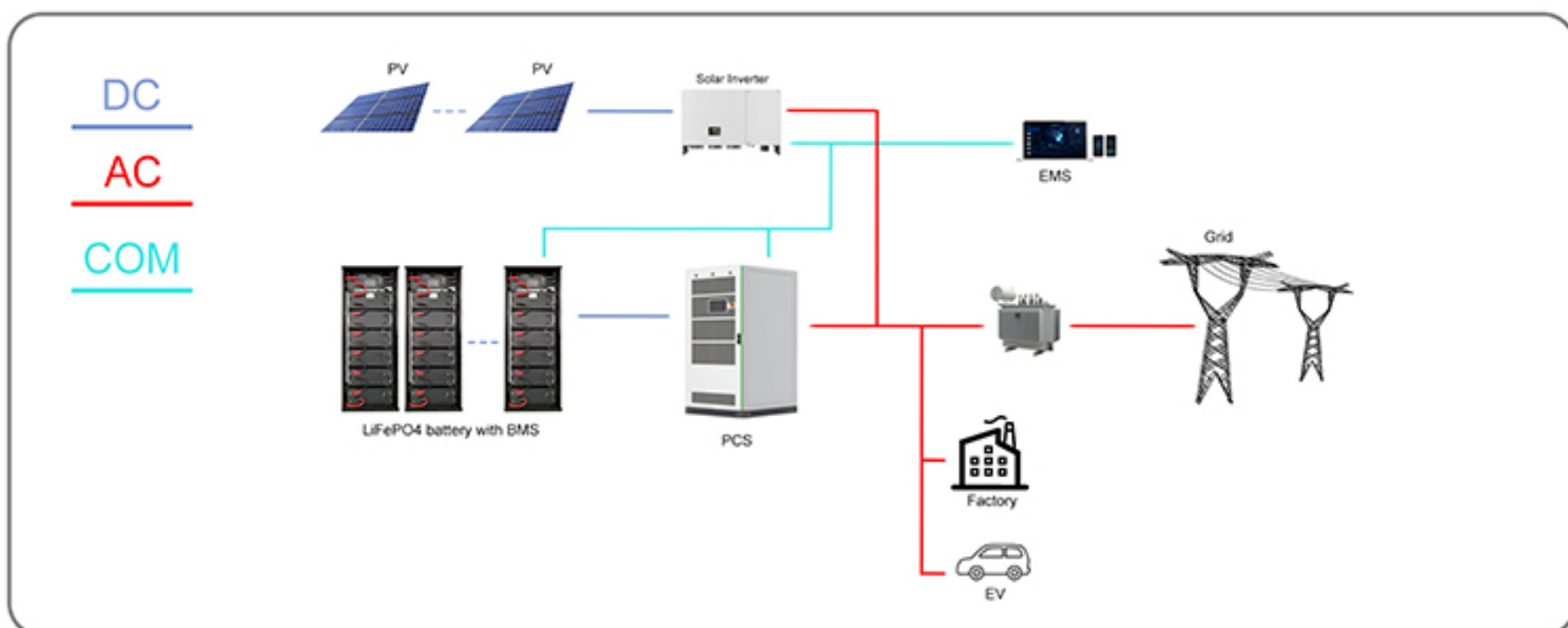
Support Max 1500V System



Integrated multi-level fire protection system



Host integrated high voltage module



	51.2V100Ah	51.2V280Ah
Model	ECO - RM51100A-HA1	ECO - RM51280A-HP1
Nominal Voltage	51.2V	51.2V
Rated Capacity	100Ah	280Ah
End-of-charge Voltage	58.0V	
End-of-discharge Voltage	42.0V	
Standard Charge Current	50A	140A
Max. Charge Current	100A	200A
Standard Discharge Current	50A	140A
Max. Discharge Current	100A	200A
Max. Peak Current	150A	300A
Communication	RS485/CAN	
Charge/Discharge Interface	Waterproof connector	
Communication Interface	RJ45	
Shell Material/Color	Metal/White/Black	
Size/mm	442*450*133	400*760*225
Weight/kg	42kg (about)	109kg (about)
Work Temperature Range	Charge: 0°C-50°C Discharge: -15°C-60°C	



Storage System with Hybrid Solar Inverter 5Kwh/10kwh/15Kwh+5KW



Plug and play



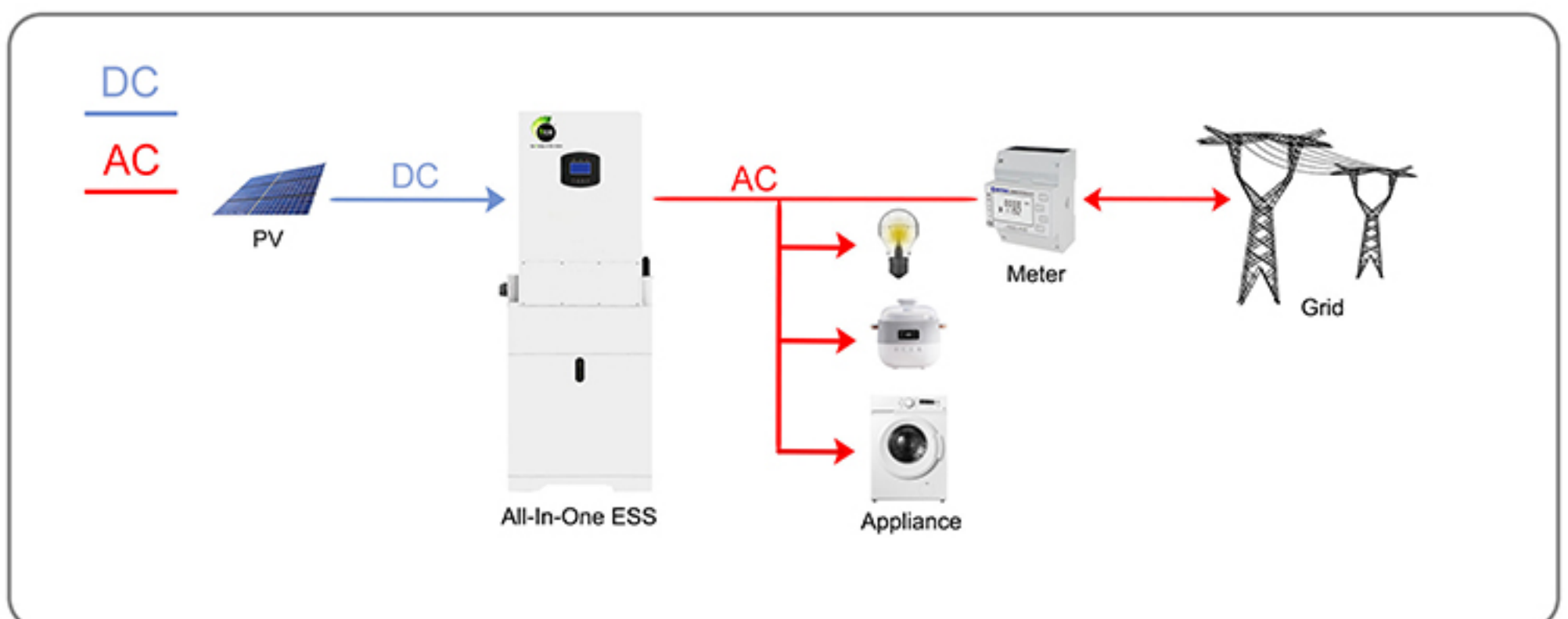
Integrate
hybrid inverter



Long cycle life



HV PV MPPT (2 channels)



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	5KWh+5KW	10KWh+5KW	15KWh+5KW
Model	 ECO-5KWH+5KH1-A1	 ECO-10KWH+5KH1-A1	 ECO-15KWH+5KH1-A1
Battery			
Voltage	51.2V		
Battery capacity	100Ah	200Ah	300Ah
Charge voltage	58.0V		
Discharge cut-off voltage	42.0V		
Charge current	50A		
Max charge current	100A		
Discharge current	50A		
Max discharge current	100A		
Max peak current	200A		
Communication method	RS485/ CAN		
Hybrid Inverter			
Power	5KW		
Output Voltage	230VAC		
Frequency	50Hz		
Input power (PV)	5.5KW		
Input voltage range (PV)	150~500VDC		
Communication connect port	RS485/ CAN/ WiFi		
General Parameters			
Material/ Colour	Metal/ White		
Size	430*230*1130mm	430*230*1491mm	430*230*1850mm
Weight	70kg (about)	115kg (about)	160kg (about)
Temperature	Charge: 0°C-50°C Discharge: -15°C-60°C		



Cost-effective HV PV MPPT



Integrated inverter & MPPT



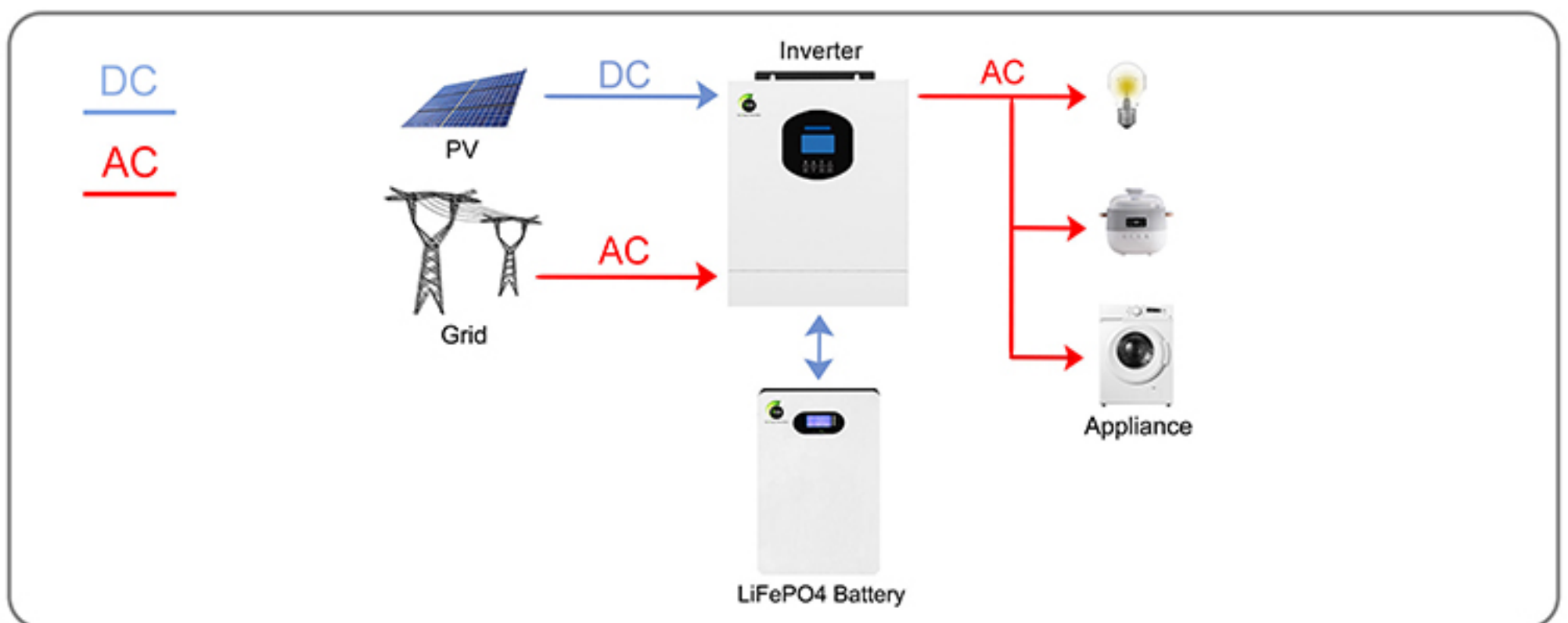
Support AC charge



Support PV activation



Support battery mode



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	3KW	6KW	10KW
Module	ECO-3KF1-L1	ECO-6KF1-L1	ECO-10KF1-L1
Battery			
Battery Voltage	24V	48V	48V
Battery Voltage Range	20~30V	40~58V	40~58VDC
Battery Type	L+N+PE		
Inverter			
Rated Power	3000VA	6000VA	10000VA
Surge Power	6000VA	12000VA	20000VA
Waveform	Pure sine wave		
AC			
AC Voltage Regulation (Battery Mode)	208/220/230/240Vac		
Frequency	50Hz / 60Hz		
Efficiency(Peak)	93.50%		
Transfer Time	10ms typical, 20ms Max		
Max PV Power	3000W	5500W	6000W*2
PV Open Circuit Voltage	450VDC	500VDC	500VDC
MPPT Range @ Operating Voltage	30-400Vdc	90-450Vdc	90~450Vdc (2 channels)
Max Solar Charge Current	80A	120A	120A
PV			
MPPT channels	1	1	2
AC Input Voltage	230VAC		
AC Charge Current	60A	100A	160A
Selectable Voltage Range	170~280VAC (For Personal Computers) 90~280VAC (For Home Appliance)		
Frequency	50Hz / 60Hz (Auto sensing)		
Physical			
Dimension(D*W*H/mm)	270*95*350	350*115*425	400*170*620
Net Weight (kg)	6kg (about)	11kg (about)	16kg (about)
Communication Interface	USB/RS485		
Protection Degree	IP21		
Installation method	Wall Monted		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C ~ 50°C		
Storage Temperature	-15°C ~ 60°C		

Max 6 Sets in Parallel Support AC and pV charge



Fast charge mode



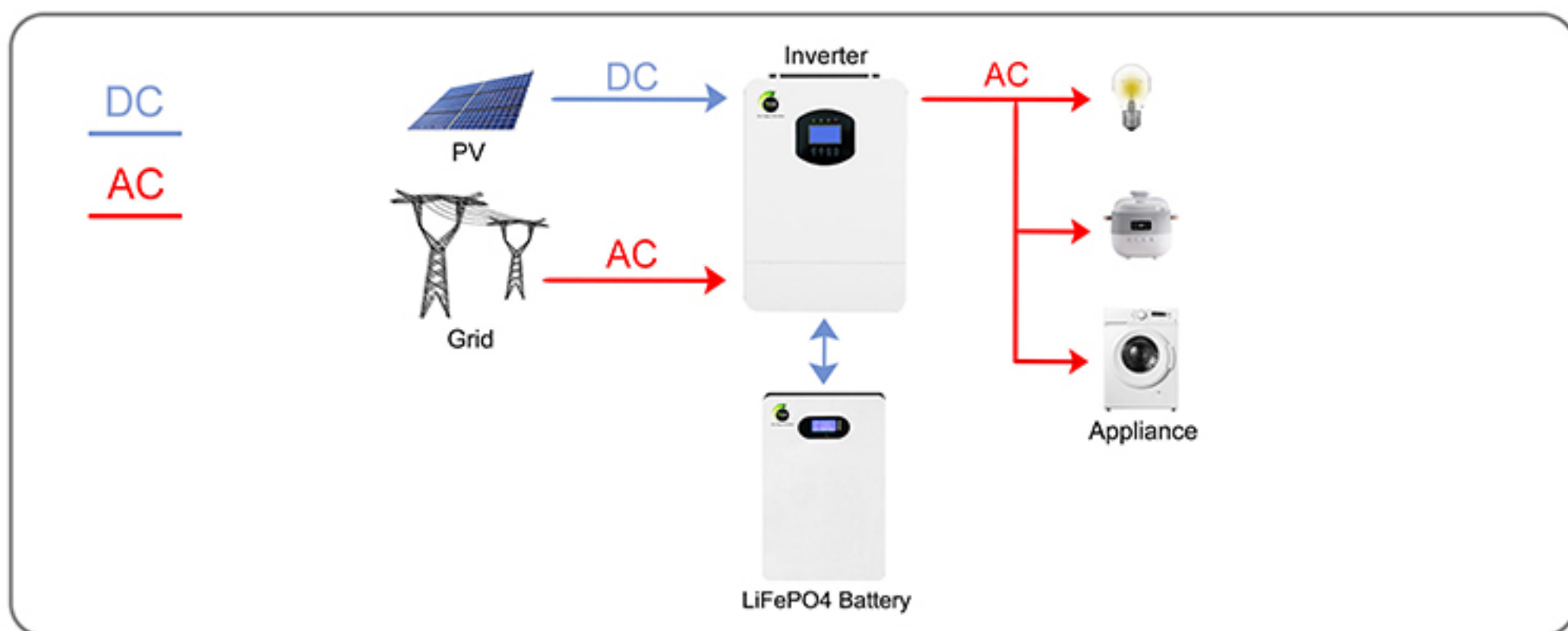
Integrated UPS



HV PV MPPT



Support WiFi



	3.6KW	5KW	11KW
Module	ECO-3.6KF1-A1	ECO-5KF1-A1	ECO-11KF1-A1
AC output			
Typical power output	3600W	5000W	11000W
Typical voltage output	230VAC+/-5%		
Output frequency	50/60Hz		
Highest efficiency	94%		
Output wave	Pure sine wave		
Conversion time	Typical 10mS, maximum 20mS		
Battery			
Battery typical voltage	48Vdc		
Battery voltage range	40~58Vdc		
Battery type	Lithium battery/ Lead acid battery		
PV			
Max. PV power	4500W	5500W	5500W*2
Controller voltage range	30~400Vdc	120~430Vdc	120~430Vdc
PV max. output voltage	500Vdc		
MPPT channels	1		
PV max. charging current	60A	100A	100A
AC input			
AC input voltage	230Vac		
AC input voltage range	185~264Vac		
AC input frequency	50/60Hz adaptive		
Others			
Max. number of parallels	/	6	3
Waterproof	IP21		
Working temperature range	-10~50°C		
Storage temperature range	-10~60°C		
Humidity range	5% to 95% Relative Humidity (Non-condensing)		
Size/mm	300*110*360	335*125*480	505*170*535
Weight/kg	8	12	22



Compatible with 20* Mainstream Brand of Global inverter



20+ inverter protocols can be selected on the display



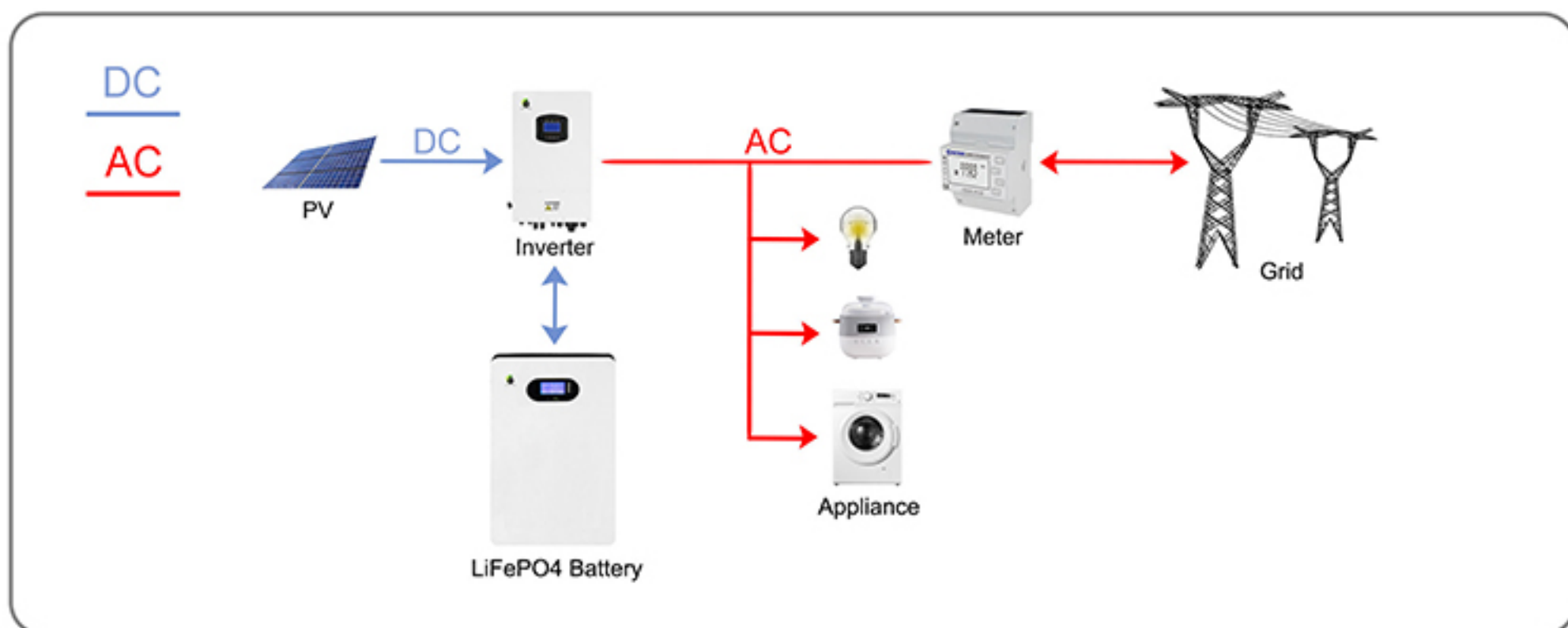
Long cycle life



Support 15 in parallel



Ultra slim design



	51.2V100Ah	51.2V100Ah	51.2V200Ah
Model	ECO- WM51100A-T1	ECO- WM51100A-A1	ECO- WM51200A-A1
Battery Style	48/51.2V100Ah	48/51.2V100Ah	48/51.2V200Ah
Energy	4.8KWh/ 5.12KWh	4.8KWh/ 5.12KWh	9.6KWh/ 10.24KWh
Nominal Voltage	48/51.2V	48/51.2V	48/51.2V
Rated Capacity	100Ah	100Ah	200Ah
End-of-charge Voltage	54.0V/58.0V		
End-of-discharge Voltage	39.0/42.0V		
Standard Charge Current	50A		
Max. Charge Current	100A		
Standard Discharge Current	100A		100A (200A)
Max. Discharge Current	100A	100A	100A (200A)
Max. Peak Current	200A		
Charge/ Discharge Interface	Quick plug terminal	M8 Terminal	
Communication Interface	RS485/ CAN		
Shell Material/ Color	Metal/ (White + Black)		
Size	770*520*90mm	590*410*145mm	850*466*145mm
Weight	42/44Kg	43/45Kg	79/84Kg
Work Temperature Range	Charge: 0°C-50°C Discharge: -15°C-60°C		

IP65 Waterproof Max 6 Sets in Parallel



2 channels
HV PV MPPT controller



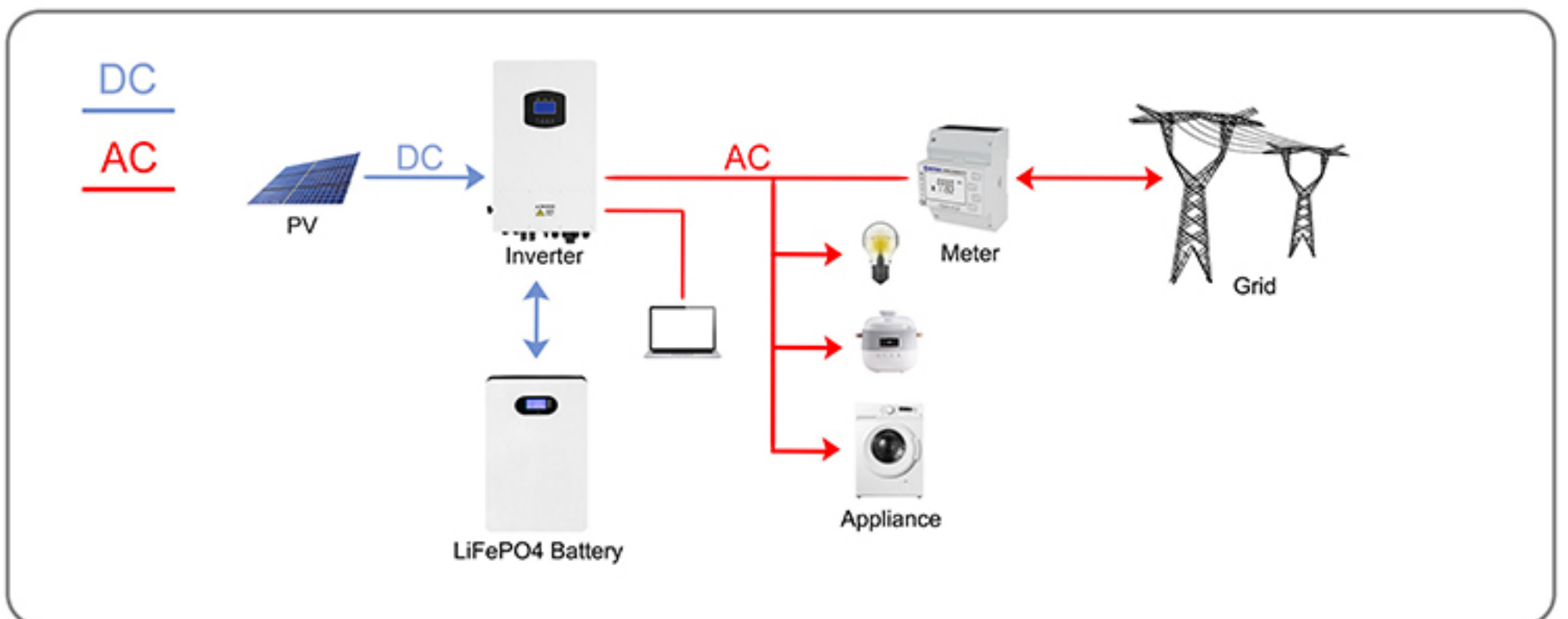
Fast charge
current 100A



Support WiFi



On-grid/ Off-grid
and UPS



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	3.6KW	4.6KW	5KW
Module	ECO-3.6KH1-A1	ECO-4.6KH1-A1	ECO-5KH1-A1
Battery			
Battery Voltage	48VDC		
Battery Voltage Range	41.5~58.5VDC		
Battery Type	Li-ion Battery / LiFePO4 Battery		
Communication Interface	RS485/CAN		
Output/ Input (AC)			
Rated Power	3960VA	5000VA	5500VA
Surge Power	6000VA	8500VA	11000VA
Waveform	Pure sine wave		
Rated Grid Voltage	230VAC		
Frequency	50Hz / 60Hz		
PV Input (DC)			
Max PV Power	5200W	6600W	7000W
Max PV Voltage	500VDC		
Starting Voltage	150V		
MPPT Range	120~430VDC		
MPPT Quantity	2		
Max PV Current	110A	110A	120A
Off-grid Output			
Max Output Power	3600W	4600W	5000W
AC Input Voltage	230VAC		
Frequency	50Hz / 60Hz		
UPS Switching Time	< 20mS		
Overload Capacity	110% 30S/120% 10S/150% 80mS		
Efficiency			
Max Efficiency	98%		
Max Discharge Efficiency	95%		
MPPT Efficiency	98%		
Physical			
Dimension(D*W*H/mm)	350*230*580		
Net Weight (kg)	23.5kg		
Communication Interface	USB/RS485/WiFi		
Protection Degree	IP65		
Installation method	Wall Mounted		
Environment			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C ~ 50°C		
Storage Temperature	-15°C ~ 60°C		