



Part of technology parameters

System Capability					
Model	455.24xx	455.48xx	455.96xx	455.14xx	455.36xx
PV modules Vmp [V]	30-36	60-72	120-144	150-180	300-360
Module arrays input [array]	2 (standard) 3/4 (optional)				
Rated charging current [A]	<input type="checkbox"/> 30	<input type="checkbox"/> 50	<input type="checkbox"/> 60	<input type="checkbox"/> 75	<input type="checkbox"/> 85
Rated battery bank voltage [V]	<input type="checkbox"/> 24	<input type="checkbox"/> 48	<input type="checkbox"/> 96	<input type="checkbox"/> 120	<input type="checkbox"/> 240
Performance					
Consumption at stand by [mA]	< 50				
Consumption at night [mA]	< 15				
Topology	Transformerless				
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)				
Cooling Method	Convection with double cooling fans				
Ambient Humidity	0% ~ 98% Non-condensing				
Altitude [m]	Up to 2000 (without power derating)				
General Data					
Terminal	Universal UK series				
LCD Display	LCD (16 X 2 characters green backlight)				
Display Language	English				
Data communication	RS232				
Ingress Protection Class	IP20 (indoor)				
Noise [dBA]	< 30				
Mounting	Wall mounting type				
Dimensions (W * D * H) [mm]	380 * 355 * 150				
Net weight [kg]	8.5				
Standard Warranty [year]	3 (standard) / 5 (optional)				



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System Capability					
Model					
PV modules Vmp [V]	150-180	300-360	450-540	480-576	
Module arrays input [array]	2 (standard) 3/4 (optional)				
Rated charging current [A]	<input type="checkbox"/> 30	<input type="checkbox"/> 50	<input type="checkbox"/> 60	<input type="checkbox"/> 75	<input type="checkbox"/> 85 <input type="checkbox"/> 100 <input type="checkbox"/> 120
Rated battery bank voltage [V]	<input type="checkbox"/> 120	<input type="checkbox"/> 240	<input type="checkbox"/> 360	<input type="checkbox"/> 380	
Performance					
Consumption at stand by [mA]	< 35				
Consumption at night [mA]	< 15				
Topology	Transformer less				
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with derating)				
Cooling Method	Convection with double cooling fans				
Ambient Humidity	0% ~ 98% Non-condensing				
Altitude [m]	Up to 2000 (without power derating)				
General Data					
Terminal	Universal KE series				
LCD Display	LCD (16 X 2 characters, green backlight)				
Display Language	English				
Data communication	RS232				
Ingress Protection Class	IP20 (indoor)				
Noise [dBA]	< 30				
Mounting	Wall mounting type				
Dimensions (W * D * H) [mm]	550 * 505 * 150				
Net weight [kg]	15				
Standard Warranty [year]	3 (standard) / 5 (optional)				



Performance Features

- Control using common positive polarity way
- Accept 2 or 3 lines input of solar module arrays
- Digital and IGBT module structure designed
- LCD equipped (backlight) to show parameters of system running status
- High efficiency with PWM charging method
- Anti-reverse connection, no charging reversely while night. And over-charge, limited charging current & voltage protections for battery
- Equipped with system abnormal status alarm function
- Users can to adjust the system parameters by setting keys
- Equipped with data communication function (optional)
- Be able to offer DC power supply (optional)
- Day and night double processing mode

Part of technology parameters

System Capability					
Model					
PV modules Vmp [V]		300-360	450-540	480-576	600-720
Module arrays input [array]	2 (standard) 3/4 (optional)				
Rated charging current [A]	<input type="checkbox"/> 1.00	<input type="checkbox"/> 1.25	<input type="checkbox"/> 1.50	<input type="checkbox"/> 1.75	<input type="checkbox"/> 2.00
Rated battery bank voltage [V]	<input type="checkbox"/> 1.20	<input type="checkbox"/> 2.40	<input type="checkbox"/> 3.60	<input type="checkbox"/> 3.80	<input type="checkbox"/> 4.80
Performance					
Consumption at stand by [mA]	< 35				
Consumption at night [mA]	< 15				
Topology	Transformerless				
Operating Temperature Range	-25°C to +60°C (45°C to 60°C with de-rating)				
Cooling Method	Convection with double cooling fans				
Ambient Humidity	0% ~ 98% Non-condensing				
Altitude [m]	Up to 2000 (without power de-rating)				
General Data					
Terminal	Universal KE series				
LCD Display	LCD (16 X2 characters, green backlight)				
Display Language	English				
Data communication	RS 485				
Ingress Protection Class	IP20 (indoor)				
Noise [dBA]	< 30				
Dimensions (W *D*H) [mm]	620 *480 *1200				
Net weight [kg]	70				
Standard Warranty [year]	3 (standard) / 5 (optional)				