

YS1000C Series



Input: 100-240VAC 50/60Hz
Output Voltage: 29.4V-67.2V DC
Rated Power: 1000W max

Features

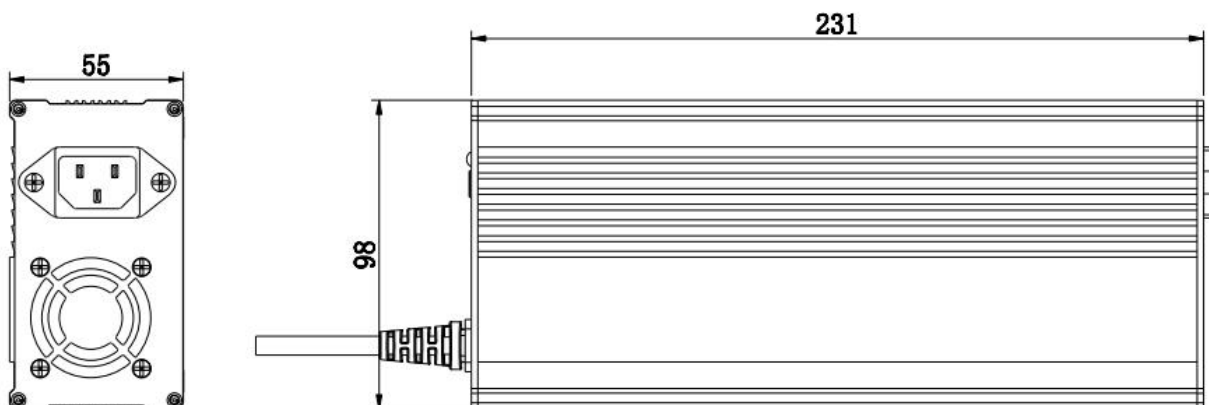
Universal AC Input/ Full Range
 High efficiency
 Forced air Cooling by Built-in Fan
 Protection: Over load/Over voltage/Short Circuit/
 Over Temperature/DC Output Anti-spark/
 Battery Positive and Negative Electrode Protection/
 Embedded MCU Intelligent Control
 Life Warranty: 3 years

Application

AGV
 AMR
 E-Bike
 E-Scooter
 E-Garden tool
 E-Wheelchair



■ Dimensions and Installation

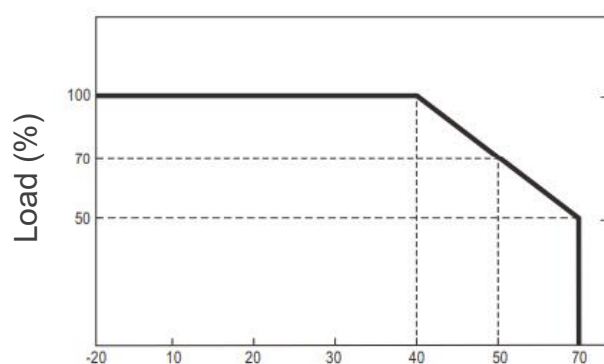


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MODEL DETAIL SPEC.		YS1000C-29435000	YS1000C-42025000	YS1000C-54620000	YS1000C-58818000	YS1000C-67215000
Matched Battery Type:		Lithium Battery/Lead Acid Battery/Lifepo4 Lithium Battery				
Charging Mode:		CC/CV/Mode				
INPUT	Range of Input Voltage:	100-240VAC				
	Input Frequency:	47~63Hz				
	Inrush Current:	Cold Start 80A/230V				
	AC Current:	10A/230V				
	Leakage Current:	< 1.5mA/240VAC				
	Efficiency:	89.0%	89.5%	90%	90.5%	91.0%
OUTPUT	DC Voltage:	29.4V	42V	54.6V	58.8V	67.2V
	Rated Current:	35A	25A	20A	18A	15A
	Rated Power:	1029W	1050W	1092W	1058.4W	1008W
	Standby Power:	≤10W				
	Voltage Tolerance:	±1.0%				
	Ripple & Noise (Max.):	≤600mVp-p				
	Switch Overshoot:	≤10%				
	LED Indicator:	Green LED ON <100mA, Red LED ON > 250mA				
	Setup, Rise, Hold up time:	3s, 40ms, 10ms at 115Vac Full Load				
ENVIRON MENTAL	Operating Temperature:	-20 ~ +70 (Refer to "Derating Curve")				
	Storage Temp:	-40°C ~ 80°C				
	Storage Humidity:	10 ~ 95% RH				
	Working Humidity:	20 ~ 95% RH Non-Condensing				
PROTECTI ON	Over Load:	105% -150% Rated Output Power				
		Protection Type: Hiccup Mode,				
	Over Voltage:	105% -130% Rated Output Power				
		Protection Type: Shut Down o/p Voltage, Re-power on to recover				
	Short Circuit :	Shut Down o/p Voltage, Re-power on to Recover				
	Battery Protection:	Battery Positive and Negative Electrode Protection				
SAFETY & EMC	DC Output Anti-Spark:	YES,Auto Resume.				
	Safety Regulations:	UL1012, IEC/BS/EN61558-1, IEC/BS/EN60335-2-29, IEC/BS/EN60335-1				
	Withstand Voltage:	I/P-O/P:3KVAC				
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH				
	EMC Emission:	Compliance to EN55032 (CISPR32)				
OTHER	EMC Immunity:	IEC/EN61000-4-2,3,4,5,6,8,11				
	MTBF:	200Khrs min. MIL-HDBK-217F(25°C)				
	Size:	231*98*55mm				
	Weight:	3kg / pcs				
	Packaging:	12PCS/CTN				

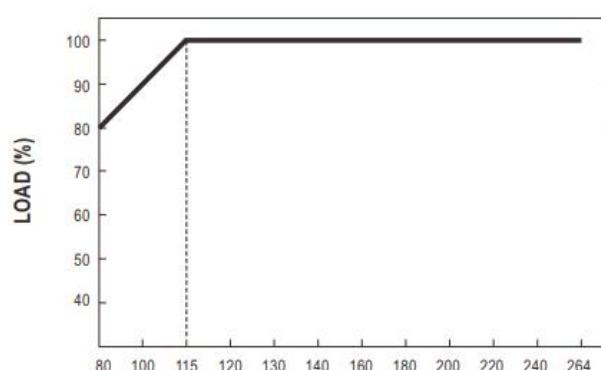
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Deduction curve and temperature



$T_a(^{\circ}\text{C})$ Ambient Temperature

Minus output and input voltage curves



Input voltage (V)

Charging Curve

