



EASYLINE R SERIES

Single Phase Input
Single Phase Output **UPS**
1 - 2 - 3 kVA



Li - On
READY



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EASYLINE R SERIES

3-Level On Line Double Conversion UPS
for low and medium power applications.

- 3-Level technology (2 and 3kVA)
- High efficiency
- Sinusoidal output
- Advanced control interface
- Emergency shutdown remotely
- Microprocessor control
- RS-232 and USB interface
- Cold start function
- Protection against voltage peaks
- High Input Power Factor (≥ 0.99)
- Integrated self-diagnostics Intelligent battery management
- Overload and short-circuit protection
- Excellent voltage regulation
- Ability to work as a Frequency Converter

EASYLINE R SERIES

MODEL		ESL 1101U2R ESL 1101U1R	ESL 1102U2R ESL 1102U1R	ESL 1103U2R ESL 1103U1R
Output Power Factor		1	2	3
Input				
Input Voltage Range		220, 230, 240 Vac ±%20 (Full)		
Input Frequency Range		50/60 Hz ±5% (Auto-sensing)		
Phase		1Ph+N+PE		
Power Factor		≥ 0.99		
Output				
Output Voltage		220/230/240 Vac 1Ph+N+PE		
Voltage Regulation		±2%		
Frequency		50/60 Hz		
Overload		125% 60 sec, 150% 10 sec		
Crest Factor		3:1		
Output Power Factor		0.9 (U2 Model) / 1 (U1 Model)		
THD of Output Voltage		≤2% (linear load) & ≤5% (non-linear load)		
Transfer Time	Online Mod - Battery Mode	0		
	Inverter - Bypass	4 ms (typical)		
Battery Mode Waveform		Pure Sinus		
Outputs		2xIEC Type + 1xSchuko or 2xSchuko or 4xIEC	4xIEC Type + 1xSchuko or 3xSchuko or 6xIEC	
Eco Mode		Optional		
Efficiency				
Online Mode & Frequency Converter		Up to 95% (%50 load) // Up to %93 (%100 load)		
Battery				
Battery Type		12 V / Maintenance-free lead acid batteries (Gel & Li-On battery optional)		
Battery Qty		2 x 7/9 Ah	4 x 7/9 Ah	6 x 7/9 Ah or 8 x 7/9 Ah
Charge Time		6/8 hours 90% capacity (typical)		
Charge Current		Adjustable charger between 1 - 4 amper		
Automatic Battery Test		Present		
Charge Voltage		24VDC	48VDC	72VDC or 96VDC
Physical				
Dimensions H x W x D (mm) with battery		151 (3U) x 439(19") x 405		
Dimensions H x W x D (mm) without battery		91(2U) x 439(19") x 439		
Weight (kg)		11	15	(6x7Ah) with battery 19 (8x7Ah) with battery 23
LCD Display		Standard		
Environmental				
Operating Temperature / Storage Temperature		0°C ~ +40°C / -25°C ~ +55°C		
Humidity		0 - 95% (non-condensing)		
Altitude		<1000m		
Noise Level (at 1 meter)		<45 dBA		
Communication				
Standard		RS-232 and USB		
Optional		SNMP, Dry Contact, Modbus, EPO		

*For 2 and 3 kVA at 50% load



INNOVATIVE ENERGY SYSTEMS

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The company reserves the right to change specifications and designs without notice.