

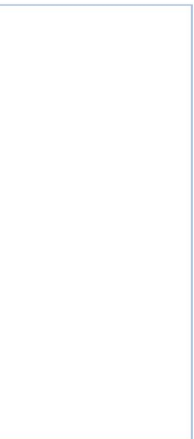
## SQUAD TECHNICAL SPECIFICATIONS

### Single Phase Input and Single Phase Output LINE INTERACTIVE UPS system

MODEL	SQUAD 1000	2000	3000
<b>CAPACITY</b>	1000VA/700W	2000VA/1340W	3000VA/2100W
<b>INPUT</b>	Voltage 110/120/127VAC or 220/230/240VAC 110/120/127VAC or 220/230/240VAC Acceptable Voltage Range 80-150VAC/70-280VAC Line Low Transfer (wide mode) 77/84/89VAC±4% or 154/161/167VAC±4% Line Low Transfer 80/86/102VAC ± 4% or 176/184/189VAC±4% Line Low Convertback 93/101/107VAC ± 4% or 186/194/202VAC ± 4% Line High Transfer 132/144/152VAC ± 4% or 264/276/289VAC ± 4% Line High Convertback 127/139/147VAC ± 4% or 254/268/279VAC ± 4% Frequency Range 50/60Hz ±5Hz for Normal Mode, 30Hz for Generator Mode Surge Rating (L/V/Hz) 320/250 Joules 490/250 Joules 500 (540) Joules Voltage Voltage Regulation (Bat. Mode) 45% RMS for entire battery voltage range Frequency 50Hz or 60Hz Frequency Regulation (Bat. Mode) 30, 1 Hz Waveform Pure Sinewave		
<b>OVERLOAD RATING</b>	Line Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Battery Mode 110%/50% shutdown after 30seconds, 120%-0%-50%, shutdown after 5 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>TRANSFER TIME</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>BATTERY</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>INDICATORS</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>AUDIBLE ALARM</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>PHYSICAL</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>ENVIRONMENT</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		
<b>INTERFACE</b>	Battery Mode 110%-0%-8%, shutdown after 3minutes, 150%-0%-10%, shutdown after 10 cycles Typical 2-dms Typical, 5ms max. for generator mode Battery Type 12V/7Ah ; 12V/9Ah 12V/7Ah ; 12V/9Ah 12V/5Ah Battery Number 2 pcs 4 pcs 8 pcs Backup Time (at full load) 2 pcs 4 pcs 8 pcs Rectifier time 3 hours to 90% after discharged AC Mode Line LED lighting Backup Mode Battery LED flashing every 4 seconds Site Fault Site Fault LED lighting (for 120 Vdc Model) Load Battery Level 4-segment LED bar- 0.25%:4m, LED lighting - 20%-50%:3rd and 4th, LED lighting 51%-75%:2nd, 3rd, and 4th, LED's lighting 76%-100%:4, LED's in a row all lighting		



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# SQUAD

# Sure Power.



## S A L I E N T F E A T U R E S

- Built-in RS-232 port to support Windows and Linux family
- Built-in USB port
- Indications in the front panel using LEDs
- Microprocessor controlled system
- Cold start facility
- Built-in Modem/Phone line surge protection
- Built-in Overload protection
- EMI/RFI protection

## A P P L I C A T I O N S

- Desktop PCs
- POS Terminal
- LAN
- EPABX

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