

Uninterrupted Process Continuity

during generator change-over.



Smart Hybrid Power for Processing & Automation Industry



Ensures smooth operation of
Process equipment, line motors, heaters,
compressors etc without any variation in speed.

Model
Glider-303 30KVA-300KVA

Saves electricity bills by **35%-40%** in
comparison to conventional Online UPS.



Enhanced Process Availability

Leading to better Productivity & Profitability

Active Shunt Smart Hybrid Power Technology

The DSP based Award winning **Active Shunt Topology** Seamlessly augments the Power Interruption - Gliding the connected loads from Mains to generator and back without any variation in speed/jerk of motors or flicker of lights.

Even the brief process interruption due to generator change-over (typically 40secs-60secs in Auto changeover) **shuts down the process leading to loss of material and productivity.**

Saves approximately 35%-40% of electricity bills in comparison to Online UPS.

The conventional solution for the above is an Online UPS which has the inherent problem of double conversion losses (Varying from 10% -30% as the power drawn from the processing varies) leading to huge losses in terms of electricity bills.



Industrial Grade design



Smart Hybrid Power Module in Active Shunt topology

DSP based Technology

Manufactured in our

100% Indigenous Factory - With In-House R&D.

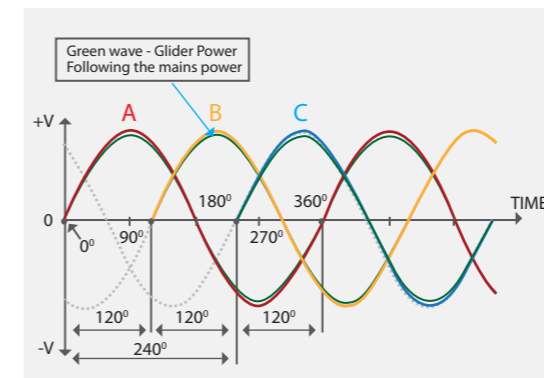
Applications

- Wire EDMs
- CNC Machines
- Dyeing & Bleaching Industry
- Bottling Plant
- Knitting & Weaving Machines
- Food Processing
- Automated Plants
- Processing Industry

Zero transfer time using Active Shunt Single conversion topology.

Active shunt - National award winner

"Most innovative power solution of the year 2016" by SoftDisk



Winner of the Best in-house R&D among the UPS manufacturers in India by SoftDisk for the year 2018-19

The backup Hybrid Power module actively tracks & follows the utility power supply in Active Shunt mode without supplying any power to the load as shown in the graph, until the voltage drops to a pre-determined voltage achieving Zero transfer time without double conversion.

Benefits of Glider 303

- Zero changeover without double conversions. Saves approximately 35% - 40% electricity bills in comparison.
- Lesser number of batteries.
- Lower cost of ownership.



Dual Output

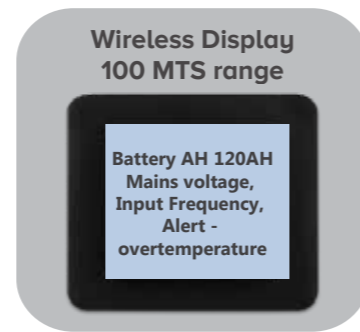
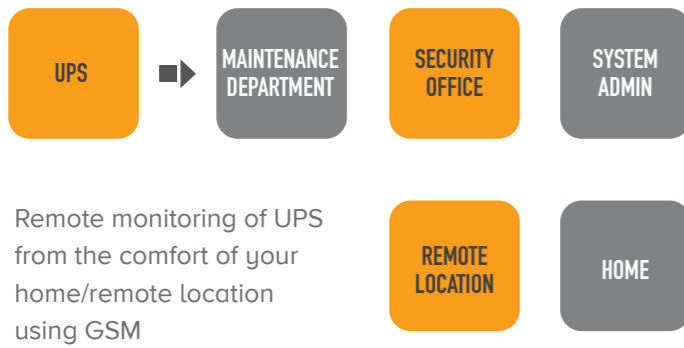
There is dual output termination to facilitate power saving along with fail-safe operation of process. **Active Shunt PLUS power output** - Conditioned power for the sensitive loads; can also handle regenerative loads.

Remote monitoring within the factory premises (100mts) wireless transmission without any GSM connectivity.

Glider 303 30KVA - 300KVA

TECHNICAL SPECIFICATIONS Smart Hybrid Power Backup

RATING	30KVA - 300KVA	
DC BUS	120VDC - 360VDC	
INPUT		
Input Voltage	400VAC, 3Φ - 3Φ / 220VAC, 1Φ - 1Φ	
Input Voltage Window	± 15%	
Input Frequency	50Hz ± 6%	
Charger Type	CVCC	
OUTPUT		
On Mains Mode	400VAC, 3Φ - 3Φ / 220VAC, 1Φ - 1Φ	
Transfer time	0-2msec	
Battery to Mains and Mains to battery		
On Inverter Mode	400VAC, 3Φ - 3Φ / 220VAC, 1Φ - 1Φ	
Regulation	Balanced Load	(±) 1%
	Unbalanced Load	(±) 1%
Frequency	50 Hz ± 0.1Hz	
Waveform	True Sinewave	
Total Harmonic	Linear Load	< 2%
Distortion	Non Linear Load	< 6%
Over Load Capacity	100%	Continuous
	125%	1 Minute
	150%	5 Seconds
Inverter Type	IGBT based PWM with instantaneous Sinewave Control	
Transient Response	Remains within ± 5% & recover to 100% within one cycle	
Crest Factor	3:1	
Unbalanced Load Phase Shift	120°± 0.5°	
Manual Bypass	Provided	
Active Shunt PLUS	Conditioned power for sensitive loads	
EFFICIENCY		
On Mains Mode	>99 %	
Inverter Efficiency	>88-92%	



MODBUS, SNMP, GSM, RS485 Interface BMS Compatible

SNMP-Simple Network Monitoring Protocol

<p>Monitoring</p> <p>SNMP feature facilitates the user to carry-out preventive action remotely without physically reaching the UPS. Pre-trip alarm pops on the monitoring screen prompting the user/system admin/maintenance engineer to initiate preventive action.</p>	<p>Diagnosis</p> <p>Without the SNMP feature, the pre-trip alarms are often unnoticed as the UPS is located away from the users and can cause ungraceful shutdown of machines / servers / process.</p>
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GSM Interface

<p>GSM based SMS pre-trip alert for initiating necessary preventive action.</p> <p>Monitor the UPS mains input voltage, output voltage, battery voltage, load percentage etc from a remote location.</p>	<p>Preventive action</p> <p>SMS STATUS from the registered mobile number and get instant SMS about the mains input voltage, output voltage, battery voltage, load current etc. Also receive SMS alert for pre-trip like battery low, overload and over temperature.</p>
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Approved vendor for

Our esteemed customers have been using Glider-303 for various applications across the country from past 6yrs and have certified the performance of the same.



PARTIAL LIST

www.ArviUPS.com
OEM/ODM UPS manufacturer since 1998.