

HIGH PERFORMANCE BATTERY CHARGERS

Input Types

- Single Phase, 90-265 Vac
- Three Phase, 90-265 Vac
- Three Phase Delta, 360-520 Vac

Qualified to:

- MIL-STD-461
- MIL-STD-810
- MIL-STD-1275

19"/2 Rack Mount Unit - 1U Height

- 60 A / 1,6 kW

19"/2 Rack Mount Unit - 2U Height

- 90 A / 2,5 kW
- 120 A / 3,3 kW

19" Rack Mount Unit - 2U Height

- 250 A / 7 kW

AC/DC & DC/DC POWER SUPPLIES

Output Types

Different output options:

- 12, 15, 28, 36, 48 and 270 Vdc

- IP67 sealed
- Optional LCD Display for user control

- 19" form factor
- Multiple units can be paralleled
- 60 kW output power
- Suitable for land, aircraft and naval platforms

Short lead time for all products

BRICK MODULES
BATTERY CHARGERS
POWER SUPPLIES
VPX POWER SUPPLIES
POWER SYSTEMS
POWER MODULES

MILITARY POWER SOLUTIONS



BRICK MODULES



GENERAL SPECIFICATIONS

- Different output options: 3.3, 5, 12, 24, 28 V
- Designed to meet:
 - MIL-STD-704
 - MIL-STD-810
 - MIL-STD-1275
- DOSA aligned packaged footprint

	Input	Power	Package
EMI Filter	9-70	20 A	Quarter
Non-Isolated DC/DC	9-40	300 W	1/16
Isolated DC/DC	16-40	300 W	Quarter
Isolated DC/DC	9-70	250 W	Half
Isolated DC/DC	16-40	500 W	Half

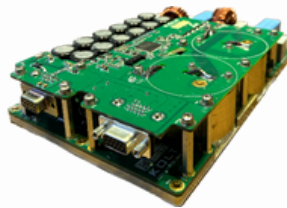
POWER MODULES

SOSA ALIGNED VPX DC/DC POWER SUPPLY



- 16-40 Vdc input voltage
- 12 Vdc primary, 3.3 Vdc auxiliary isolated outputs
- 330 W output power
- EMI Filters Included
- Designed to meet:
 - MIL-STD-461
 - MIL-STD-704
 - MIL-STD-810
 - MIL-STD-1275

PFC MODULE



- Power Factor Correction
 - Single phase / 90-265 Vac input (47-63 Hz)
 - True 3-Phase / 360-528 Vac input (47-63 Hz)
- 400 Vdc output
- 3.5 kW output power
- 1.5 kW, 2.5 kW also available
- Power Factor > 0.99
- Internal input EMI filter
- Active inrush current limiting
- Input UV/OV/OC, OT protections
- Output OV/OC and short circuit protections
- Communication capability

ISOLATED DC/DC CONVERTER MODULE



- 250-425 Vdc input voltage
- Different output options: 12, 15, 28, 36, 48 and 270 V
- 3.5 kW output power
- 1.5 kW, 2.5 kW also available
- Input UV/OV/OC, OT protections
- Output OV/OC and short circuit protections
- Communication capability

CAPABILITIES



Manufacturing

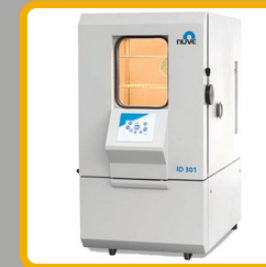
- Traceability solutions included, ASM SIPLACE, DEK
- PYRAMAX BTU Nitrogen Reflow
- Nordson 460S Selective Soldering
- J-STD-001 & IPC-A-610
- IPC/WHMA-A-620 Workmanship
- DMG MORI
- CMX 600 V

- **Engineering**
 - Requirements Management
 - GaN & SiC designs
 - Structural Analysis



Testing

- Climatic Test Equipment [-40, 150 °C]
- Control Loop Analyzer
- AC/DC Transient Power Supplies
- EMI/EMC Test Equipment (CE102)

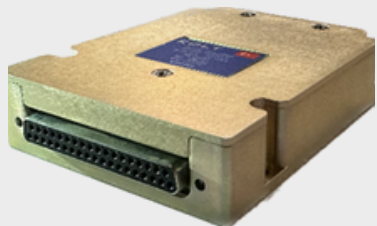


Quality Assurance

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ASELSAN & ROKETSAN Qualified Supplier
- IPC (7711/7721C, A-610, WHMA-A-620, J-STD-001)



PACKAGED BRICK MODULES



- Plug & Play
- Qualified to:
 - MIL-STD-461
 - MIL-STD-704
 - MIL-STD-810
 - MIL-STD-1275

- Isolated, Regulated, Rugged DC/DC Converter Module
- 16-40 Vdc input voltage
- Internal input EMI filter
- Active clamp circuitry, surge&spike protection included
- 300 W output power
- Different output options: 3.3, 5, 12, 24, 28 V

KOLT



CONTACT US
HQ & Manufacturing
Macunköy

Engineering
Via Green Plaza

Sales
Mahall Plaza

ksg@kolt.com.tr
☎ +90 (312) 354 47 06