

## 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



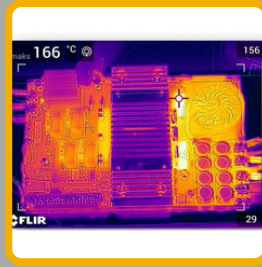
- Power Factor Correction
  - Single phase / 90-265 Vac input (47-63 Hz)
  - True 3-Phase / 360-528 Vac input (47-63 Hz)
- 400 Vdc output
- 3.5 kW output power
- 1.5 kW, 2.5 kW also available
- Power Factor > 0.99
- Internal input EMI filter
- Active inrush current limiting
- Input UV/OV/OC, OT protections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



### Engineering

- Requirements Management
- GaN & SiC designs
- Structural Analysis



### 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



### 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)



### CONTACT US

HQ & Manufacturing  
Macunköy

Engineering  
Via Green Plaza

Sales  
Mahall Plaza

ksg@kolt.com.tr  
© +90 (312) 354 47 06



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

**MILITARY POWER  
SOLUTIONS**

## BRICK MODULES

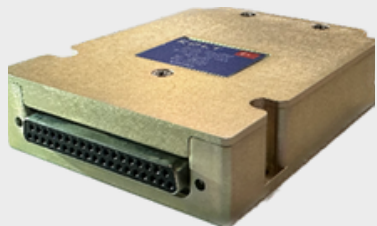


### GENERAL SPECIFICATIONS

- 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

## 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

## POWER SUPPLIES / BATTERY CHARGERS



### 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**