

# SDU

## SERVO-DRIVE UNITS



Energy efficient



Low weight



Modular system

SN15/220-90 inverter is a part of servo drive unit, which is supplied as complete equipment. Servo drive system is based on permanent magnet synchronous motors, where one is used for positioning of azimuth and the second for elevation setting movement. The SDU servo inverter enables precise positionable position control.

- wide range of applications in military and civilian applications
- MIL-STD-810G shock and vibration resistance
- wide operating temperature range, working
- EMC/EMI according to MIL-STD-461F
- IP protection : IP 65

### Technical description:

Nominal voltage [ $V_{DC}$ ]	220
Input voltage range [ $V_{DC}$ ]	150 – 260
Nominal output voltage [ $V_{AC}$ ]	3 x 90
Nominal output frequency [Hz]	300
Frequency range [Hz]	1-500
Output voltage shape	PWM
Nominal output current (RMS) [A]	108
Maximal output current (RMS) [A]	240
Peak current limit [A]	340
I <sub>2t</sub> protection	216A / 20s Toff = 180s
Efficiency [%]	97
Maximal switching frequency [kHz]	6