


A	14.01.2020	ISSUED FOR INFORMATION		AA	ED	ED							
Rev. No.	Date	Description	Prepared	Checked	Contr. By	Onay	EDOPEC						
			ORIGINATOR						Published by				
			EDOPEC ENERJİ PETROL MÜHENDİSLİK SANAYİİ VE TİCARET LİMİTED ŞİRKETİ										
			Document Title DATASHEET FOR SOLID STATE POLARIZATION CELL EDO-SSPC-XXX										
<b>Head Office :</b> Palmye Mah. 1219 Sk. Gürarşlan Apt. (Kapı No:15) Kat:2 D:6 PK-33110 Yenisehir –Mersin –Turkey P:+90 324 3260595 F:+90 324 3260596 <a href="http://www.edopec.com">www.edopec.com</a> <a href="mailto:info@edopec.com">info@edopec.com</a>			Document No.										
			EDO	DAT	COE	COR	INT	XXX	020	XXX	XXX	Rev	A
			Co. Org. Cod	Doc Type	Disc. Code	Unit Code	Prj. type	Prj. NO	Prij. Year	Pro.Doc. Seq.No	DCC Seq.No	Page	Scale
												1	

## DATASHEET FOR SOLID STATE POLARIZATION CELL EDO-SSPC-XX

Solid state polarization cell is semiconductor cell used for short-term current peaks and over voltage drainage. It is also used for synchronization of cathodic protection system with lightning strike protection demands for gas reduction station, measuring reduction station, blockade station etc.



### SOLID-STATE POLARIZATION CELL SPECIFICATION (MANUFACTURE STANDARD) GEOMETRY PPC1

Case Box	450x300x150mm	Mass	5.5 Kg
• Long-term current(AC/DC)			50A
• Forward surge current			11 kA, t=10 ms (50 Hz), Tj=45 C
• short-term fault current(AC)			380A/0,5s
• voltage blocking level (DC)			-2/+1 V
• working temperature			-40°C to +60°C

It is possible to install current and voltage measuring sensor switch characteristics as follows:

• current sensors(shunt)	60mV/60A
• voltage sensor	-10V,+10V

Voltage and current signals are available on DB9 standard connector.

### ADJUSTMENT AND REPAIRS

Validity check is performed once a year. Validity check is performed by:

PPC is a one-time product and adjustment is not possible. Breakdown voltage mostly occurs as short-circuit, rarely as a total disconnection between positive and negative pole. If break down is detected it is necessary to replace the cell with new one.

Project:	EDOPEC ENERJİ PETROL MÜHENDİSLİK SANAYİİ VE TİCARET LİMİTED ŞİRKETİ	Proj. Identification:	
Document Title:	DATASHEET FOR SOLID STATE POLARIZATION CELL EDO-SSPC-XX	Document No.:	EDO-DAT-COE-COR-INT-XXX-020-XXX-XXX-REV-A-DATASHEET FOR SOLID STATE POLARIZATION CELL EDO-SSPC-XX
Revision:	A	Date:	15.01.2020